

10/089,648

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Feb 24	PCTGEN now available on STN
NEWS	4	Feb 24	TEMA now available on STN
NEWS	5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	6	Feb 26	PCTFULL now contains images
NEWS	7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	8	Mar 24	PATDPAFULL now available on STN
NEWS	9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	10	Apr 11	Display formats in DGENE enhanced
NEWS	11	Apr 14	MEDLINE Reload
NEWS	12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	13	AUG 22	Indexing from 1927 to 1936 added to records in CA/CAPLUS
NEWS	14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	15	Apr 28	RDISCLOSURE now available on STN
NEWS	16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	18	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS	19	May 19	Simultaneous left and right truncation added to WSCA
NEWS	20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS	22	Jun 06	PASCAL enhanced with additional data
NEWS	23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS	24	Jun 25	HSDB has been reloaded
NEWS	25	Jul 16	Data from 1960-1976 added to RDISCLOSURE
NEWS	26	Jul 21	Identification of STN records implemented
NEWS	27	Jul 21	Polymer class term count added to REGISTRY
NEWS	28	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS	29	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS	30	AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS	31	AUG 15	PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS	32	AUG 15	PCTGEN: one FREE connect hour, per account, in September 2003
NEWS	33	AUG 15	RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS	34	AUG 15	TEMA: one FREE connect hour, per account, in September 2003
NEWS	35	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS	36	AUG 18	Simultaneous left and right truncation added to PASCAL

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NEWS 37 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation

NEWS 38 AUG 18 Simultaneous left and right truncation added to ANABSTR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003

=> file uspatfull

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 21 Aug 2003 (20030821/PD)

FILE LAST UPDATED: 21 Aug 2003 (20030821/ED)

HIGHEST GRANTED PATENT NUMBER: US6609253

HIGHEST APPLICATION PUBLICATION NUMBER: US2003159190

CA INDEXING IS CURRENT THROUGH 21 Aug 2003 (20030821/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 21 Aug 2003 (20030821/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2003

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2003

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<

>>> <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

10/089,648

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s us5487887/pn

L1 1 US5487887/PN

=> s buffer? or glycol? or sugar? or cyclodextrin

405804 BUFFER?

284008 GLYCOL?

114254 SUGAR?

7203 CYCLODEXTRIN

L2 631272 BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN

=> s l1 and l2

L3 1 L1 AND L2

=> d kwic

L3 ANSWER 1 OF 1 USPATFULL on STN

PI US 5487887 19960130

<--

SUMM (i) 0.5-10 wt. % of a humectant for low temperature stability, e.g., a mono- or dialkylene glycol of up to eight carbon atoms, especially dipropylene glycol, and

SUMM (i) a humectant for low temperature stability, e.g., a mono- or dialkylene glycols of up to eight carbon atoms, especially dipropylene glycol, generally in amounts of from about 0.5 to about 10 wt. % and

SUMM . . . the oil-in-water emulsifying system is a known ingredient which is commercially available and is the benzoated derivative of a polyethylene glycol ether of glycerin.

SUMM . . . found that the use of a humectant to enhance low temperature stability such as for instance a mono- or dialkylene glycol of up to eight carbon atoms, which will preferably be dipropylene glycol, may be effectively employed in producing the preferred clear antiperspirant microemulsion of the present invention.

SUMM Generally speaking, the mono- or dialkylene glycol component may be effectively employed in amounts of from about 0.1 to about 10 wt. % and will preferably be. . .

DETD 1. In a suitable vessel, equipped with a homo-mixer, add the formula weight of antiperspirant active in solution, dipropylene glycol, deionized water and sodium chloride. Heat the solution with mixing to 110.degree. F.-120.degree. F.

DETD . . . % (W/W)

Aluminum Zirconium Tetrachlorohydrex Gly,
50.00

35% (Rezal 36 G Soln.) Reheis

PEG-7-glyceryl cocoate (Cetiol HE) Henkel
18.00

Deionized Water 10.37-10.90

Cyclomethicone D-5 5.00

Dipropylene glycol (low odor grade)
8.00

Isopropyl Myristate 2.00

Octoxynol-9 (Triton X-100) Union Carbide
2.00

PEG-150 Pentaerythritol Tetrastearate
1.50-2.00

(Crothix) Croda

Poloxamer 217 (polyoxyethylene, polyoxypropylene
1.00

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block polymer. . . .

DETD values of x, y, and z are
respectively 52, 35 and 52) (Pluracare F-77) BASF
Glycereth-7-Benzoate (Dermol G-76) Alzo

	1.00
Sodium Chloride	0.10
Dipropylene Glycol (low odor grade)	8.00
	100.00

CLM What is claimed is:

18. A composition according to claim 17, wherein the humectant is a mono- or dialkylene glycol of up to 8 carbon atoms.

19. A composition according to claim 17, wherein the humectant is dipropylene glycol.

21. A composition according to claim 17, wherein the humectant is dipropylene glycol which is present in an amount of about 8 wt. %.

. . . x, y, and z are
respectively 52, 35 and 52)
1.00 wt. % Glycereth-7-Benzoate
0.10 wt. % Sodium Chloride
8.00 wt. % Dipropylene Glycol.

=>

=> s hydrocarbon?

L4 288711 HYDROCARBON?

=> s l1 and l4

L5 0 L1 AND L4

=> s alcohol?

L6 404108 ALCOHOL?

=> s l1 and l6

L7 1 L1 AND L6

=> d kwic

L7 ANSWER 1 OF 1 USPATFULL on STN

PI US 5487887 19960130

<--

SUMM . . . acid ester, such as an isopropyl stearate, preferably isopropyl myristate, or an equivalent. Isopropyl myristate is an ester of isopropyl alcohol and myristic acid. This material is commercially available under a number of trade names from a variety of commercial sources. . . .

=> s quaternary

L8 80359 QUATERNARY

=> s l1 and l8

L9 0 L1 AND L8

=> s surfactant?

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L10 138756 SURFACTANT?

=> s l10 and l1

L11 1 L10 AND L1

=> d kwic

L11 ANSWER 1 OF 1 USPATFULL on STN

PI US 5487887 19960130 <--

SUMM . . . broadly discloses stable oil-in-water emulsion based compositions as containing an oil, water, and a nonionic three-component emulsifying system, each nonionic **surfactant** being present in stated concentrations and having a specific HLB requirement. While antiperspirant compositions are not specifically taught by this. . .

SUMM Witco Tech. Bull. Formula 101A is directed to a clear microemulsion antiperspirant composition containing a mixture of various nonionic **surfactants**. The composition has a viscosity of 500-5000 cps, and is stable at elevated temperatures.

SUMM (iii) less than 5 wt. % of a nonionic **surfactant** for high temperature stability, e.g., octoxynol-9 (Polyoxyethylene(9) Octyl Phenyl Ether or lauricdiethanolamidine;

SUMM (iii) less than 5 wt. % of a nonionic **surfactant** for high temperature stability, e.g., octoxynol-9 (Polyoxyethylene(9) Octyl Phenyl Ether) or lauricdiethanolamide;

SUMM . . . addition of an oil-in-water emulsifying system comprising a polyoxyethylene, polyoxypropylene block polymer in combination with glycereth-7-benzoate and a nonionic **surfactant** to provide high temperature stability may be effectively employed.

SUMM The nonionic **surfactant** component of the oil-in-water emulsifying system will generally be present in amounts less than 5 wt. % and will preferably. . . are also known commercially available materials as will be recognized by those skilled in the art. Preferably when the nonionic **surfactant** is octoxynol-9 or lauricdiethanolamide, this ingredient will be present in an amount of from about 1 to about 2 wt.. . .

CLM What is claimed is:

. . . in which the average values of x, y, and z are respectively 52, 35 and 52) glycereth-7-benzoate and a nonionic **surfactant**.

11. A composition according to claim 10, wherein the nonionic **surfactant** is selected from the group consisting of octoxynol-9 (polyoxyethylene (9) octyl phenyl ether) and lauricdiethanolamide.

. . . %; the glycereth-7-benzoate is present in an amount of from about 0.5 to about 2 wt. %, and the nonionic **surfactant** is present in a definite amount less than 5 wt. %.

=>

=> s antiperspirant? or deodorant?

2635 ANTIPERSPIRANT?

8102 DEODORANT?

L12 8932 ANTIPERSPIRANT? OR DEODORANT?

=> s axilla?

L13 4587 AXILLA?

=> s l13 and l12

L14 539 L13 AND L12

=> d his

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(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1 1 S US5487887/PN
L2 631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN
L3 1 S L1 AND L2
L4 288711 S HYDROCARBON?
L5 0 S L1 AND L4
L6 404108 S ALCOHOL?
L7 1 S L1 AND L6
L8 80359 S QUATERNARY
L9 0 S L1 AND L8
L10 138756 S SURFACTANT?
L11 1 S L10 AND L1
L12 8932 S ANTIPERSPIRANT? OR DEODORANT?
L13 4587 S AXILLA?
L14 539 S L13 AND L12

=> s l14 and l8

L15 102 L14 AND L8

=> s cationic quaternary ammonium surfactant?

85569 CATIONIC
80359 QUATERNARY
254387 AMMONIUM
138756 SURFACTANT?

L16 89 CATIONIC QUATERNARY AMMONIUM SURFACTANT?
(CATIONIC (W) QUATERNARY (W) AMMONIUM (W) SURFACTANT?)

=> s l16 and l15

L17 1 L16 AND L15

=> d abs ibib

L17 ANSWER 1 OF 1 USPATFULL on STN

AB Structured, **antiperspirant** microemulsions possibly in the form of liquid crystals, containing cosmetic oils, a solution of **antiperspirant** salt in a hydrophilic solvent, a surfactant and an oil structurant are provided. These microemulsions can be used in different types of Solid applicators such as soft solid and, particularly desirably, firm stick applicators. The structured microemulsions are preferably clear by virtue of a suitable choice of oil, solvent and structurant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:152255 USPATFULL

TITLE: **Antiperspirant** compositions comprising microemulsions

INVENTOR(S): Brucks, Richard Mark, Chicago, IL, UNITED STATES
Gransden, Kathryn Elizabeth, Bebington, UNITED KINGDOM
Ma, Zhuning, Chicago, IL, UNITED STATES

PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003103921	A1	20030605
APPLICATION INFO.:	US 2002-117473	A1	20020405 (10)

NUMBER	DATE
-----	-----

10/089,648

PRIORITY INFORMATION: GB 2001-9143 20010411
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER,
NJ, 07020
NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
LINE COUNT: 1133
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1 1 S US5487887/PN
L2 631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN
L3 1 S L1 AND L2
L4 288711 S HYDROCARBON?
L5 0 S L1 AND L4
L6 404108 S ALCOHOL?
L7 1 S L1 AND L6
L8 80359 S QUATERNARY
L9 0 S L1 AND L8
L10 138756 S SURFACTANT?
L11 1 S L10 AND L1
L12 8932 S ANTIPERSPIRANT? OR DEODORANT?
L13 4587 S AXILLA?
L14 539 S L13 AND L12
L15 102 S L14 AND L8
L16 89 S CATIONIC QUATERNARY AMMONIUM SURFACTANT?
L17 1 S L16 AND L15

=> s cationic(p)quaternary ammonium surfactant?

85569 CATIONIC
80359 QUATERNARY
254387 AMMONIUM
138756 SURFACTANT?
837 QUATERNARY AMMONIUM SURFACTANT?
(QUATERNARY(W)AMMONIUM(W)SURFACTANT?)
L18 459 CATIONIC(P)QUATERNARY AMMONIUM SURFACTANT?

=> s l18 and l15

L19 1 L18 AND L15

=> s surfactant?

L20 138756 SURFACTANT?

=> s cationic(p)quaternary ammonium?

85569 CATIONIC
80359 QUATERNARY
254831 AMMONIUM?
58456 QUATERNARY AMMONIUM?
(QUATERNARY(W)AMMONIUM?)
L21 16128 CATIONIC(P)QUATERNARY AMMONIUM?

=> S L21(P)L20

L22 7105 L21(P)L20

=> S L22 AND L15

L23 5 L22 AND L15

10/089,648

=> D 1-5 IBIB ABS

L23 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:152255 USPATFULL

TITLE: **Antiperspirant** compositions comprising microemulsions

INVENTOR(S): Brucks, Richard Mark, Chicago, IL, UNITED STATES
Gransden, Kathryn Elizabeth, Bebington, UNITED KINGDOM
Ma, Zhuning, Chicago, IL, UNITED STATES

PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003103921	A1	20030605
APPLICATION INFO.:	US 2002-117473	A1	20020405 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2001-9143	20010411
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER, NJ, 07020	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1133	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Structured, **antiperspirant** microemulsions possibly in the form of liquid crystals, containing cosmetic oils, a solution of **antiperspirant** salt in a hydrophilic solvent, a surfactant and an oil structurant are provided. These microemulsions can be used in different types of Solid applicators such as soft solid and, particularly desirably, firm stick applicators. The structured microemulsions are preferably clear by virtue of a suitable choice of oil, solvent and structurant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L23 ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER: 94:26269 USPATFULL

TITLE: Liquid **antiperspirant** composition

INVENTOR(S): Orr, Thomas V., Cincinnati, OH, United States
Newcomer, Patricia J., Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5298236		19940329
APPLICATION INFO.:	US 1993-28754		19930309 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1990-611231, filed on 8 Nov 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Lewis, Leonard W., Goldstein, Steven J.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	634		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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AB Disclosed are liquid **antiperspirant** compositions useful for both roll-on and aerosol **antiperspirant** applications. The compositions have reduced incidence of in-use skin irritation. The compositions comprise from about 10% to about 70%, by weight, of an **antiperspirant** active material, from about 1% to about 15%, by weight, of a suspension agent, from about 25% to about 75%, by weight, of a non-volatile silicone fluid component, and no more than about 15%, by weight, of volatile silicone fluid. In aerosol embodiments, the compositions can comprise the above composition as a concentrate in combination with an aerosol propellant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L23 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER: 92:92528 USPATFULL

TITLE: Spherical clay mineral powder, process for production thereof and composition containing the same

INVENTOR(S): Tokubo, Kazuo, Yokohama, Japan
Yamaguchi, Michihiro, Yokohama, Japan
Suzuki, Jyunko, Yokohama, Japan
Yoshioka, Toshio, Yokohama, Japan
Kanda, Fujihiro, Yokohama, Japan
Fukuda, Minoru, Yokohama, Japan
Ikeda, Toshihide, Yokohama, Japan
Kawaura, Takeshi, Yokohama, Japan
Yagita, Yoshiaki, Yokohama, Japan

PATENT ASSIGNEE(S): Shiseido Company Ltd., Tokyo, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5165915		19921124
APPLICATION INFO.:	US 1990-538595		19900619 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1988-184549, filed on 21 Mar 1988, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1986-174578	19860724
	JP 1986-188333	19860811
	JP 1986-194493	19860820
	JP 1986-194494	19860820
	JP 1986-208624	19860904
	JP 1986-209160	19860905
	JP 1986-209161	19860905

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ore, Dale R.
LEGAL REPRESENTATIVE: Sprung Horn Kramer & Woods
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Figure(s); 5 Drawing Page(s)
LINE COUNT: 1702

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A spherical clay mineral powder or spherical composite powder comprising water-swellaable clay mineral with specific surface are of 100 m.sup.2 /g or more is provided, and the composite powder can contain an organic, inorganic or metal powder, an organic substance soluble in an organic solvent or a water-soluble substance, and these spherical powders can be formulated effectively in, for example, cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L23 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 91:42516 USPATFULL
TITLE: Low residue **antiperspirant** creams
INVENTOR(S): Tanner, Paul R., Cincinnati, OH, United States
Nunn, Jr., Randolph G., Cincinnati, OH, United States
Luebbe, John P., Lawrenceburg, IN, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5019375		19910528
APPLICATION INFO.:	US 1989-323524		19890314 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Goldstein, Steven J., Lewis, Leonard W.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
LINE COUNT:	528		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB **Antiperspirant** cream compositions, which exhibit reduced residue on the skin and excellent cosmetics and aesthetics, as well as good composition stability over time, are claimed. These compositions, which may be formulated to have relatively high viscosities, include a volatile silicone material, a particulate **antiperspirant** active, a clay thickening agent, an activator for the clay thickening agent, and a non-volatile paraffinic hydrocarbon fluid, such as mineral oil or branched chain C.sub.16 -C.sub.68 hydrocarbons. A method of treating or preventing perspiration in humans using these compositions is also claimed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L23 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 75:62653 USPATFULL
TITLE: **Antiperspirant and deodorant** compositions
INVENTOR(S): Curry, Kenneth Vasey, Camberley, England
Sahir, Ahamado Ismail, Isleworth, England
PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3920807		19751118
APPLICATION INFO.:	US 1975-543403		19750122 (5)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1973-393097, filed on 29 Aug 1973, now abandoned And Ser. No. US 1971-169100, filed on 4 Aug 1971, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1970-39690	19700818
	GB 1970-50187	19701022
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Moyer, Donald B.	
LEGAL REPRESENTATIVE:	Grant, Esq., Arnold	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	

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LINE COUNT: 603

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aerosol **antiperspirant** or **deodorant** composition free from anticholinergic compounds containing, as a non-staining emollient substance or dispersing agent, hexylene glycol. The compositions may be solutions or suspensions and may contain germicides and **antiperspirant** agents.

A preferred form of the invention is a powder aerosol **antiperspirant** composition containing hexylene glycol as the dispersing agent. The following formulation is typical of such compositions:

% by weight

Aluminium chlorhydrate	
	2 to 7.5
Colloidal silica bulking	
agent	0.05 to 0.75
Hexylene glycol	1 to 5
Hexachlorophene	up to 0.5
Perfume	0.01 to 2
Aerosol propellant	balance

The invention also relates to a process for making such a composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> D HIS

(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1 1 S US5487887/PN
L2 631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN
L3 1 S L1 AND L2
L4 288711 S HYDROCARBON?
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L6 404108 S ALCOHOL?
L7 1 S L1 AND L6
L8 80359 S QUATERNARY
L9 0 S L1 AND L8
L10 138756 S SURFACTANT?
L11 1 S L10 AND L1
L12 8932 S ANTIPERSPIRANT? OR DEODORANT?
L13 4587 S AXILLA?
L14 539 S L13 AND L12
L15 102 S L14 AND L8
L16 89 S CATIONIC QUATERNARY AMMONIUM SURFACTANT?
L17 1 S L16 AND L15
L18 459 S CATIONIC(P)QUATERNARY AMMONIUM SURFACTANT?
L19 1 S L18 AND L15
L20 138756 S SURFACTANT?
L21 16128 S CATIONIC(P)QUATERNARY AMMONIUM?
L22 7105 S L21(P)L20
L23 5 S L22 AND L15

=> S L23 AND L6

L24 4 L23 AND L6

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=> S L4 AND L24
L25 4 L4 AND L24

=> S ALUMINUM AND ZIRCONIUM
498771 ALUMINUM
63653 ZIRCONIUM
L26 41806 ALUMINUM AND ZIRCONIUM

=> S L26 AND L25
L27 2 L26 AND L25

=> D 1-2 IBIB ABS

L27 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 94:26269 USPATFULL
TITLE: Liquid **antiperspirant** composition
INVENTOR(S): Orr, Thomas V., Cincinnati, OH, United States
Newcomer, Patricia J., Cincinnati, OH, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5298236		19940329
APPLICATION INFO.:	US 1993-28754		19930309 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1990-611231, filed on 8 Nov 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Lewis, Leonard W., Goldstein, Steven J.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	634		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are liquid **antiperspirant** compositions useful for both roll-on and aerosol **antiperspirant** applications. The compositions have reduced incidence of in-use skin irritation. The compositions comprise from about 10% to about 70%, by weight, of an **antiperspirant** active material, from about 1% to about 15%, by weight, of a suspension agent, from about 25% to about 75%, by weight, of a non-volatile silicone fluid component, and no more than about 15%, by weight, of volatile silicone fluid. In aerosol embodiments, the compositions can comprise the above composition as a concentrate in combination with an aerosol propellant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L27 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 75:62653 USPATFULL
TITLE: **Antiperspirant and deodorant** compositions
INVENTOR(S): Curry, Kenneth Vasey, Camberley, England
Sahir, Ahamado Ismail, Isleworth, England
PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3920807		19751118
APPLICATION INFO.:	US 1975-543403		19750122 (5)

10/089,648

RELATED APPLN. INFO.: Continuation of Ser. No. US 1973-393097, filed on 29 Aug 1973, now abandoned And Ser. No. US 1971-169100, filed on 4 Aug 1971, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1970-39690	19700818
	GB 1970-50187	19701022
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Moyer, Donald B.	
LEGAL REPRESENTATIVE:	Grant, Esq., Arnold	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	
LINE COUNT:	603	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aerosol **antiperspirant** or **deodorant** composition free from anticholinergic compounds containing, as a non-staining emollient substance or dispersing agent, hexylene glycol. The compositions may be solutions or suspensions and may contain germicides and **antiperspirant** agents.

A preferred form of the invention is a powder aerosol **antiperspirant** composition containing hexylene glycol as the dispersing agent. The following formulation is typical of such compositions:

% by weight

Aluminium chlorhydrate	2 to 7.5
Colloidal silica bulking agent	0.05 to 0.75
Hexylene glycol	1 to 5
Hexachlorophene	up to 0.5
Perfume	0.01 to 2
Aerosol propellant	balance

The invention also relates to a process for making such a composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> S US3920807/PN
L28 1 US3920807/PN

=> D HIS

(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1	1 S US5487887/PN
L2	631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN
L3	1 S L1 AND L2
L4	288711 S HYDROCARBON?
L5	0 S L1 AND L4
L6	404108 S ALCOHOL?
L7	1 S L1 AND L6
L8	80359 S QUATERNARY
L9	0 S L1 AND L8

10/089,648

L10 138756 S SURFACTANT?
L11 1 S L10 AND L1
L12 8932 S ANTIPERSPIRANT? OR DEODORANT?
L13 4587 S AXILLA?
L14 539 S L13 AND L12
L15 102 S L14 AND L8
L16 89 S CATIONIC QUATERNARY AMMONIUM SURFACTANT?
L17 1 S L16 AND L15
L18 459 S CATIONIC(P)QUATERNARY AMMONIUM SURFACTANT?
L19 1 S L18 AND L15
L20 138756 S SURFACTANT?
L21 16128 S CATIONIC(P)QUATERNARY AMMONIUM?
L22 7105 S L21(P)L20
L23 5 S L22 AND L15
L24 4 S L23 AND L6
L25 4 S L4 AND L24
L26 41806 S ALUMINUM AND ZIRCONIUM
L27 2 S L26 AND L25
L28 1 S US3920807/PN

=> S L28 AND L27

L29 1 L28 AND L27

=> D KWIC

L29 ANSWER 1 OF 1 USPATFULL on STN

TI **Antiperspirant and deodorant compositions**

PI US 3920807 19751118 <--

AB An aerosol **antiperspirant** or **deodorant** composition free from anticholinergic compounds containing, as a non-staining emollient substance or dispersing agent, hexylene glycol. The compositions may be solutions or suspensions and may contain germicides and **antiperspirant** agents.

AB A preferred form of the invention is a powder aerosol **antiperspirant** composition containing hexylene glycol as the dispersing agent. The following formulation is typical of such compositions:

SUMM This invention relates in a first aspect to an aerosol **antiperspirant** or doodorant composition, and in a second aspect to a process for making certain of the compositions.

SUMM . . . they dissolve not more than 5 percent of water at 70.degree.F. Examples of such materials are hydrophilic oils such as **hydrocarbon** oils exemplified by tetradecane; organic esters such as isopropyl myristate and glyceryl triolate; **alcohols** such as lauryl **alcohol**; carboxylic acids such as oleic acid and silicone oils such as the dimethylpolysiloxanes. As far as we are aware, only. . .

SUMM These aerosol **antiperspirant** compositions containing isopropyl myristate cause staining of clothing because of transfer of the composition from the skin to the clothing build-up of a deposit and discolouration of the deposit. This staining is particularly prevalent on clothing adjacent the **axillac**, for instance on shirts, blouses and brassieres.

SUMM It is an object of this invention to provide new aerosol **antiperspirant** and **deodorant** compositions which are substantially non-staining and yet which contain a substance having emollient properties to reduce the tendency of these. . .

SUMM It is also an object of this invention to provide substantially non-staining aerosol **antiperspirant** compositions containing dispersed, finely divided astringent metal salt.

SUMM It is a further object of this invention to provide new aerosol **antiperspirant** and **deodorant** compositions having a

- reduced tendency to build-up on clothing despite regular laundering.
- SUMM It is a still further object of this invention to provide new aerosol **antiperspirant** and **deodorant** compositions having a reduced tendency to stain clothing.
- SUMM Yet further objects of this invention are to provide new aerosol **antiperspirant** and **deodorant** compositions leaving a non-greasy film on the skin and to provide new aerosol compositions having **deodorant** activity without the use of conventional germicides.
- SUMM It is also an object of the invention to provide a process for preparing an aerosol **antiperspirant** composition containing aluminium chlorhydrate which avoids wastage of the chlorhydrate and facilitates easy dispersion of the chlorhydrate in the liquid.
- SUMM We have now discovered that these objects can be achieved by formulating an **antiperspirant** or **deodorant** composition using hexylene glycol as the substance having emollient and dispersing properties.
- SUMM Accordingly, in its broadest aspect the invention provides an aerosol **antiperspirant** or **deodorant** composition free from anticholinergic compounds comprising a solution of a substance having emollient properties in an aerosol propellant wherein the . . .
- SUMM In a second aspect the invention also provides an aerosol **antiperspirant** composition comprising a dispersion of a finely divided astringent metal salt in a solution of a substance having dispersing and emollient properties, in an aerosol propellant wherein the dispersing and emollient properties are imparted to the **antiperspirant** composition by the inclusion therein of from about 0.5 to 10 percent by weight of hexylene glycol whereby a substantially non-staining **antiperspirant** composition is obtained.
- SUMM Typically, a so-called powder **antiperspirant** composition according to the invention consists essentially of from 0.2 to 10 percent, preferably 2 to 7.5 percent by weight. . .
- SUMM Although the use of hexylene glycol produces an **antiperspirant** composition which is a great improvement over known products certain difficulties can occur during commercial manufacture of the composition. This. . .
- SUMM Accordingly, in a second aspect of this invention there is provided a process for preparing an aerosol **antiperspirant** composition which contains finely divided aluminium chlorhydrate dispersed in a solution of hexylene glycol in an aerosol propellant and which. . .
- SUMM c. combining said slurry with an aerosol propellant to form an aerosol **antiperspirant** composition.
- SUMM The physical form of the aerosol **deodorant** and **antiperspirant** compositions of the invention may be that of the so-called powder **antiperspirant** or it may be an aqueous, alcoholic or aqueous/alcoholic solution. In one form, an **antiperspirant** composition according to the invention comprises from about 1 to about 75 percent by weight of a C.sub.1 -C.sub.4 alcohol and an alcohol-soluble **antiperspirant** agent.
- SUMM Any one of the large number of materials which have been proposed for use as astringent **antiperspirant** agents may be used in the compositions of this invention although, in the case of powder **antiperspirant** compositions, the **antiperspirant** agent should be capable of formulation as a dispersion in the **antiperspirant** medium. Thus any **antiperspirant** agent which is soluble in the commonly used aerosol propellants referred to below is excluded from use in these compositions. . .
- SUMM Examples of suitable **antiperspirant** agents containing the zinc ion are zinc chloride, zinc sulfate, zinc sulfocarbolate and zinc stearate.

- SUMM Iron and **zirconium** salts may also be used for example ferric chloride and **zirconium** (IV) sulfate.
- SUMM Astringent metal salts and in particular aluminium salts are preferred as the **antiperspirant** agents of the invention. Most preferred is finely divided aluminium chlorhydrate. Grades of aluminium chlorhydrate which we have found particularly.
- SUMM **Antiperspirant** compositions of the solution type referred to above preferably contain an **alcohol-soluble antiperspirant** agent which is a complex salt of aluminium. Another **alcohol-soluble antiperspirant** agent which is particularly useful is zinc phenolsulphonate.
- SUMM Powder aerosol **antiperspirants** commonly contain a bulking agent to help prevent irreversible settling of the finely-divided astringent metal salt and to ease its.
- SUMM Optionally the **antiperspirant** compositions of the invention may contain a germicide. If a germicide is included then it will be in an amount. . . the degree of its germicidal activity. However, we have discovered that hexylene glycol itself can provide the composition with slight **deodorant** activity and so the use of a germicide is not obligatory.
- SUMM . . . others outside these classes may be used: the halogenated salicylanilides, halogenated carbanilides, halogenated phenols and bis-phenols, sodium C.sub.5 -C.sub.12 alkylbenzoylacrylates, **quaternary** ammonium compounds, thiuram sulfides, dithiocarbamates, halogenated diphenyl ethers, halogenated anilides of thiophene carboxylic acids and esters of hydroxybenzoic acids.
- SUMM Although, as stated above, any suitable germicide can be used in the **antiperspirant** compositions of the invention, we prefer to use hexachlorophene, chlorhexidine, dichlorophene, and **quaternary** ammonium compounds such as cetyltrimethyl ammonium bromide.
- SUMM The **antiperspirant** and **deodorant** compositions can contain perfumes in conventional amounts, for example 0.01 to 2 percent.
- SUMM Typical of the halogenated **hydrocarbons** which can be used are the following compounds: trichlorofluoromethane, dichlorodifluoromethane and symmetrical dichlorotetrafluoroethane.
- SUMM Petroleum **hydrocarbons** such as propane and isopropane, n-butane and isopentane may also be used.
- SUMM As stated above in the process of manufacture of an aerosol **antiperspirant** composition according to the invention formulated with aluminium chlorhydrate as the astringent metal salt it is preferable to include a . . .
- SUMM The surfactant should be both soluble in the **antiperspirant** medium which consists essentially of a solution of hexylene glycol in an aerosol propellant and chemically compatible with the other. . . of the surfactant is not critical to the invention. Some suitable surfactants for use in the process and powder aerosol **antiperspirant** compositions of the invention are described in "Surface Active Agents and Detergents" by A. M. Schwartz, W. Perry and J. . . .
- SUMM Amongst those **cationic surfactants** which are suitable for use in the process and compositions of the invention are the **quaternary ammonium** salts as cetyl trimethyl ammonium chloride and stearyl dimethyl benzyl ammonium bromide.
- DETD This example illustrates a typical process for preparing an aerosol **antiperspirant** composition containing **aluminum** chlorhydrate and a formulation of such an **antiperspirant**.
- DETD . . . parts of a pyrogenic silica are then suspended in the solution and, after thorough mixing, 35 parts of finely divided **aluminum** chlorhydrate are added and mixed in to form a slurry.
- DETD . . . way is dispensed into an aerosol unit and a propellant is added by the throughbutton filling method to form an **antiperspirant** according to the invention having the following composition:

DETD % by weight

Aluminum chlorhydrate	3.1
Pyrogenic silica	0.1
Hexylene glycol	1.8
Hexachlorophene	0.1
Perfume	0.4
Propellant 11	61.6
Propellant 12	32.7
Surfactant	0.2

- DETD This is a comparative example of a prior art aerosol **antiperspirant** composition containing isopropyl myristate.
- DETD This experiment was performed to demonstrate that an aerosol **antiperspirant** of the formula in Example 3 is less easily transferred to clothing than is one of the formula in EXAMPLE.
- DETD . . . was sprayed from a standard distance and for 2 seconds onto the inner side of the forearm so that the **antiperspirant** composition covered a circular area of about 5 cm in diameter. The composition was allowed 2 minutes to dry, after. . . 500 g. weight. After 15 minutes the weight was removed and the cotton was weighed to discover the amount of **antiperspirant** transferred from the skin.
- DETD Aerosol **antiperspirant** of Example 2
4.0 mg/cm.sup.2
- Aerosol **antiperspirant** of Example 3
0.5 mg/cm.sup.2
- DETD . . . result indicates the reduction in transfer from skin to clothing which is produced when the isopropyl myristate in an aerosol **antiperspirant** is replaced by hexylene glycol.
- DETD A similar experiment to that described in the previous example was performed with an aerosol **antiperspirant** composition having the following composition.
- DETD The addition of the nonionic surfactant did not affect the transference properties of the **antiperspirant** containing hexylene glycol.
- DETD The following experiment was performed to demonstrate the ease with which an aerosol **antiperspirant** of the formula in Example 5 can be removed from a fabric compared with an **antiperspirant** of the formulation in Example 2.
- DETD Each **antiperspirant** was sprayed onto a separate portion of the flexor surface of the forearm for 2 seconds so that the composition. .
- DETD This result shows that an **antiperspirant** formulated with hexylene glycol according to the invention is more easily removable from fabric by washing than is a conventional **antiperspirant** formulated as in Example 2 with isopropyl myristate. It was not possible to carry out the experiment over more than. . . left on the fabric after, say, five spray-wash cycles is very considerably greater in the case of an isopropyl myristate-containing **antiperspirant** than in the case of a hexylene glycol-containing one according to this invention. The build-up of unremovable product leads to. . .
- DETD This experiment was performed to demonstrate the difference between an **antiperspirant** formulated according to the invention and one formulated with isopropyl myristate as regards the stain which they produce in everyday. . .
- DETD The experiment involved a panel of four persons. Each person was supplied with samples of the **antiperspirant** of Example 2 and of the **antiperspirant** of Example 5. Two of the persons used the **antiperspirant** of Example 2 on the left arm and that of Example 5 on the right whilst in the case of the two remaining persons the **antiperspirants** were used in the opposite way.
- DETD The persons were asked to apply the **antiperspirants** at home

before wearing a white shirt which was supplied to them. Clean shirts were provided daily, a total of. . .

DETD Average Staining Index

No of Wash/wear

Cycles	Antiperspirant of	
	Example 2	Example 5
0	0	0
2	1.40	0.15
4	2.70	0.45
6	2.95	1.30

Person	Antiperspirant of	
	Example 2	Example 5

A	Before washing	
	83.8	83.6
	After washing/wearing	
	72.2	78.6
B	Before washing	
	83.5	83.3
	After washing/wearing	
	74.0	

DETD Both methods of assessing the staining produced by the two **antiperspirants** show that the formulation of Example 5, that is the one containing hexylene glycol according to the invention, produces less. . .

DETD This example illustrates an aerosol **deodorant** composition according to the invention.

DETD This example illustrates an aerosol **antiperspirant** composition according to the invention containing an **alcohol-soluble antiperspirant agent**.

DETD

% by weight

Aluminum chlorhydrate/propylene	
	8.0
glycol complex	
Industrial methylated spirit	
	38.9
Hexylene glycol	3.0
Hexachlorophene	0.1
Propellant 114	20.0
Propellant 12	30.0

DETD This example illustrates an aerosol **deodorant** composition suitable for feminine intimate hygiene purposes.

DETD In the following experiment the staining produced by the aerosol **deodorant** of Example 8 was compared with that produced by a prior art aerosol having the composition:

DETD . . . & D were sprayed at a distance of four inches and for 2 seconds two, A and B, with the **deodorant** of Example 8 and the other two, C and D, with the prior art composition. Each square was allowed to. . .

DETD . . . the reduction in staining which is obtainable by replacing the conventional fatty emollient such as isopropyl myristate in an aerosol **deodorant** composition with hexylene glycol. Had the tests been performed with coloured material, much more pronounced staining would have occurred with. . .

DETD In this experiment, the staining produced by the solution

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antiperspirant of Example 9 was compared with that produced by a prior art aerosol having the composition:

DETD % by weight

Aluminum chlorhydroxide/propylene glycol complex	8.0
Isopropyl myristate	3.0
Industrial methylated spirit	38.9
Hexachlorophene	0.1
Propellant 114	20.0
Propellant 12	30.0

DETD . . . composition containing isopropyl myristate as the emollient substance whereas there was no noticeable staining on the squares sprayed with the **antiperspirant** of Example 9. After the fourth spray/wash cycle a very pronounced stain had appeared on the former squares, consisting of. . .

DETD The following are further examples of aerosol powder **antiperspirant** formulations according to the invention having satisfactory low-staining characteristics.

DETD The hexachlorophene in Example 3 is omitted and the amount of propellant is proportionately increased. This provides an acceptable **antiperspirant** composition exhibiting **deodorant** properties.

DETD . . . amounts should not be so large as to detract from the overall non-staining character of the compositions. When a powder **antiperspirant** composition contains a small amount of isopropyl myristate we prefer it also to contain a polyalkylene glycol as described in. . .

CLM What is claimed is:

1. In an aerosol **antiperspirant** composition comprising from about 0.2 to 10 weight percent of a finely divided astringent salt selected from the group consisting of zinc, **aluminum**, iron and **zirconium**, from about 0.01 to about 2.0 weight percent of a bulking agent having a bulk density of lower than about. . .

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(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1	1 S US5487887/PN
L2	631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN
L3	1 S L1 AND L2
L4	288711 S HYDROCARBON?
L5	0 S L1 AND L4
L6	404108 S ALCOHOL?
L7	1 S L1 AND L6
L8	80359 S QUATERNARY
L9	0 S L1 AND L8
L10	138756 S SURFACTANT?
L11	1 S L10 AND L1
L12	8932 S ANTIPERSPIRANT? OR DEODORANT?
L13	4587 S AXILLA?
L14	539 S L13 AND L12
L15	102 S L14 AND L8
L16	89 S CATIONIC QUATERNARY AMMONIUM SURFACTANT?
L17	1 S L16 AND L15
L18	459 S CATIONIC(P)QUATERNARY AMMONIUM SURFACTANT?

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L19 1 S L18 AND L15
L20 138756 S SURFACTANT?
L21 16128 S CATIONIC(P)QUATERNARY AMMONIUM?
L22 7105 S L21(P)L20
L23 5 S L22 AND L15
L24 4 S L23 AND L6
L25 4 S L4 AND L24
L26 41806 S ALUMINUM AND ZIRCONIUM
L27 2 S L26 AND L25
L28 1 S US3920807/PN
L29 1 S L28 AND L27

=> S L16 AND L26

L30 4 L16 AND L26

=> D 1-4 IBIB ABS

L30 ANSWER 1 OF 4 USPATFULL on STN

ACCESSION NUMBER: 95:107740 USPATFULL

TITLE: Process for cleaning **aluminum** and tin surfaces

INVENTOR(S): Gober, Victor A., Euclid, OH, United States
Raney, David A., Brookpark, OH, United States

PATENT ASSIGNEE(S): Man-Gill Chemical Company, Cleveland, OH, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5472512		19951205
APPLICATION INFO.:	US 1994-283069		19940729 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1992-963599, filed on 20 Oct 1992, now patented, Pat. No. US 5380468		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Silbaugh, Jan H.		
ASSISTANT EXAMINER:	El-Arini, Zeinab		
LEGAL REPRESENTATIVE:	Renner, Otto, Boisselle & Sklar		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	648		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous alkaline cleaner and process for cleaning **aluminum** and tin surfaces. The aqueous alkaline cleaning solution includes

(A) at least one inorganic base;

(B) at least one cationic surfactant which is a quaternary ammonium compound; and

(C) water.

Aluminum and tin surfaces cleaned with the cleaning compositions are characterized by improved surface cleanliness and brightness.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 2 OF 4 USPATFULL on STN

ACCESSION NUMBER: 95:57879 USPATFULL

TITLE: Dentifrices containing amino alkyl silicones

INVENTOR(S): Viccaro, John P., Whitestone, NY, United States
Lin, Samuel, Paramus, NJ, United States

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Domke, Todd, Clifton, NJ, United States
Ziemkiewicz, Alexander G., Spring Valley, NY, United States

PATENT ASSIGNEE(S): Chesebrough-Ponds USA Co., Division of Conopco, Inc.,
Greenwich, CT, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5427770		19950627
APPLICATION INFO.:	US 1993-4489		19930114 (8)
DISCLAIMER DATE:	20090107		
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1988-276704, filed on 28 Nov 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Azpuru, Carlos		
LEGAL REPRESENTATIVE:	McGowan, Jr., Gerard J.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1463		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Dentifrices, including toothpaste creams and gels, and mouthwashes, are provided including aminoalkyl silicones. In the mouth, the aminoalkyl silicones form a lasting hydrophobic film on the teeth for prevention of cavities and stain. Antimicrobial compounds such as chlorhexidine may be included.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 95:3589 USPATFULL

TITLE: Aqueous alkaline composition for cleaning
aluminum and tin surfaces

INVENTOR(S): Gober, Victor A., Euclid, OH, United States
Raney, David A., Brookpart, OH, United States

PATENT ASSIGNEE(S): Man-Gill Chemical Company, Cleveland, OH, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5380468		19950110
APPLICATION INFO.:	US 1992-963599		19921020 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lieberman, Paul		
ASSISTANT EXAMINER:	Higgins, E. M.		
LEGAL REPRESENTATIVE:	Renner, Otto, Boisselle & Sklar		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
LINE COUNT:	638		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aqueous alkaline cleaner and process are described for cleaning **aluminum** and tin surfaces. The aqueous alkaline cleaning solution comprises

(A) at least one inorganic base;

(B) at least one cationic surfactant which is a quaternary ammonium compound; and

(C) water. **Aluminum** and tin surfaces cleaned with the cleaning

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compositions of the present invention are characterized by improved surface cleanliness and brightness.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L30 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 92:1342 USPATFULL

TITLE: Dentrifrices including modified aminoalkyl silicones

INVENTOR(S): Lin, Samuel, Paramus, NJ

Parriott, Colleen, Monroe, NY, United States

Viccaro, John P., Whitestone, NY, United States

Domke, Todd, Clifton, NJ, United States

PATENT ASSIGNEE(S): Chesebrough-Pond's USA Co., division of Conopco, Inc.,
Greenwich, CT, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5078988		19920107
APPLICATION INFO.:	US 1988-276719		19881128 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Spear, James M.		
LEGAL REPRESENTATIVE:	McGowan, Jr., Gerard J.		
NUMBER OF CLAIMS:	41		
EXEMPLARY CLAIM:	1		
LINE COUNT:	822		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Dentrifrices including modified amino alkyl silicones are provided. The aminoalkyl silicones are modified with epoxides to alkylate the nitrogen atoms and decrease their reactivity to flavors and other aldehydes present in the dentifrice. The modified silicones form a hydrophobic layer on the teeth for prevention of caries and stain.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> D HIS

(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1 1 S US5487887/PN
L2 631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN
L3 1 S L1 AND L2
L4 288711 S HYDROCARBON?
L5 0 S L1 AND L4
L6 404108 S ALCOHOL?
L7 1 S L1 AND L6
L8 80359 S QUATERNARY
L9 0 S L1 AND L8
L10 138756 S SURFACTANT?
L11 1 S L10 AND L1
L12 8932 S ANTIPERSPIRANT? OR DEODORANT?
L13 4587 S AXILLA?
L14 539 S L13 AND L12
L15 102 S L14 AND L8
L16 89 S CATIONIC QUATERNARY AMMONIUM SURFACTANT?
L17 1 S L16 AND L15
L18 459 S CATIONIC(P) QUATERNARY AMMONIUM SURFACTANT?
L19 1 S L18 AND L15
L20 138756 S SURFACTANT?

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L21 16128 S CATIONIC(P)QUATERNARY AMMONIUM?
L22 7105 S L21(P)L20
L23 5 S L22 AND L15
L24 4 S L23 AND L6
L25 4 S L4 AND L24
L26 41806 S ALUMINUM AND ZIRCONIUM
L27 2 S L26 AND L25
L28 1 S US3920807/PN
L29 1 S L28 AND L27
L30 4 S L16 AND L26

=> S L30 AND L12
L31 0 L30 AND L12

=> S L12 AND L16
L32 7 L12 AND L16

=> D 1-7 IBIB ABS

L32 ANSWER 1 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:152255 USPATFULL

TITLE: **Antiperspirant** compositions comprising
microemulsions

INVENTOR(S): Brucks, Richard Mark, Chicago, IL, UNITED STATES
Gransden, Kathryn Elizabeth, Bebington, UNITED KINGDOM
Ma, Zhuning, Chicago, IL, UNITED STATES

PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco,
Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003103921	A1	20030605
APPLICATION INFO.:	US 2002-117473	A1	20020405 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2001-9143	20010411
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER, NJ, 07020	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1133	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Structured, **antiperspirant** microemulsions possibly in the form
of liquid crystals, containing cosmetic oils, a solution of
antiperspirant salt in a hydrophilic solvent, a surfactant and
an oil structurant are provided. These microemulsions can be used in
different types of Solid applicators such as soft solid and,
particularly desirably, firm stick applicators. The structured
microemulsions are preferably clear by virtue of a suitable choice of
oil, solvent and structurant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L32 ANSWER 2 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:142826 USPATFULL

TITLE: Hair conditioners for treating split ends

INVENTOR(S): Bernecker, Ullrich, Huertgenwald, GERMANY, FEDERAL
REPUBLIC OF
Brockmann, Claudia, Duesseldorf, GERMANY, FEDERAL

10/089,648

PATENT ASSIGNEE(S): REPUBLIC OF
Hollenberg, Detlef, Erkrath, GERMANY, FEDERAL REPUBLIC
OF
Henkel Kommanditgesellschaft auf Aktien, Duesseldorf,
GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6569414	B1	20030527
	WO 9913821		19990325
APPLICATION INFO.:	US 2000-508585		20000623 (9)
	WO 1998-EP5631		19980905

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1997-19740285	19970913
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Sheikh, Humera N.	
LEGAL REPRESENTATIVE:	Harper, Stephen D., Hill, Gregory M., Murphy, Glenn E. J.	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	343	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a hair treatment preparation and a method of use thereof. The hair treatment preparation is in the form of an oil-in-water emulsion and is preferably used for reducing split ends. The hair treatment preparation contains a lipid soluble ester alcohol or ester polyol and a water-soluble compound selected from panthenol, a panthenol derivative, nicotinic acid amide, a sugar, polyvinyl pyrrolidine or mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L32 ANSWER 3 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:104176 USPATFULL

TITLE: Aqueous fabric care compositions for effective use away

from the home and accessories for use therewith

INVENTOR(S): Frankenbach, Gayle Marie, Cincinnati, OH, UNITED STATES

Trinh, Toan, Maineville, OH, UNITED STATES

Lotts, Ray Douglas, Loveland, OH, UNITED STATES

Nakamura, Yuko, Kobe, JAPAN

Kaminski, Anneke Margaret, Cincinnati, OH, UNITED STATES

Young, Sarah Marie, Cincinnati, OH, UNITED STATES

Dinniwell, Alan Robert, Mason, OH, UNITED STATES

Fitz, Ted John, Cincinnati, OH, UNITED STATES

Boehm, Elise Marie, Cincinnati, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003071075	A1	20030417
APPLICATION INFO.:	US 2002-126899	A1	20020419 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-285794P	20010423 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	

10/089,648

LEGAL REPRESENTATIVE: THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY
DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110
CENTER HILL AVENUE, CINCINNATI, OH, 45224

NUMBER OF CLAIMS: 20

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 17 Drawing Page(s)

LINE COUNT: 2109

AB An article containing an aqueous fabric care composition and a container
for the composition to facilitate portability and encourage effective
use of the composition away from the home. Also provided are kits
including the articles of the present invention in combination with one
or more optional accessories including hangers, compression devices,
weights, portable mats, air blowers, gloves, mitts, mini-irons and
combinations thereof.

L32 ANSWER 4 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:64251 USPATFULL

TITLE: Benzoate esters of hydroxyl terminated polyether
polysiloxane copolyols and process for producing same
INVENTOR(S): Walele, Ismail I., Saddle Brook, NJ, UNITED STATES
Syed, Samad A., Paramus, NJ, UNITED STATES

PATENT ASSIGNEE(S): FINETEX, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044371	A1	20030306
	US 6552212	B2	20030422
APPLICATION INFO.:	US 2001-854852	A1	20010514 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	WEINGRAM & ASSOCIATES, P.C., P.O. BOX 927, 197 WEST SPRING VALLEY AVE, MAYWOOD, NJ, 07607		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1347		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions of matter comprising benzoate esters of hydroxyl terminated
polyether polysiloxane copolyols, in particular dimethicone copolyol
benzoates, and process for preparing same. The benzoate esters are
useful for personal care cleansing products, such as bar and liquid
soaps, skin and hair care products and textiles and fibers. The
compounds are prepared by reacting benzoic acid with hydroxyl terminated
polyether polysiloxane copolyols.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L32 ANSWER 5 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2002:325638 USPATFULL

TITLE: Polymer compositions having specified PH for improved
dispensing and improved stability of wrinkle reducing
compositions and methods of use

INVENTOR(S): Frankenbach, Gayle Marie, Cincinnati, OH, United States
Trinh, Toan, Maineville, OH, United States
Barnabas, Mary Vijayarani, West Chester, OH, United
States
Corona, III, Alessandro, Mason, OH, United States
Shaw, Jr., John Henry, Cincinnati, OH, United States
Smith, John William, Milford, OH, United States
Brown, Donald Ray, Middletown, OH, United States
Nijakowski, Timothy Roy, Mason, OH, United States
Hubesch, Bruno Albert Jean, Neerijse, BELGIUM

Detzel, Gabrielle Holly (Spangler), Cincinnati, OH, United States
 Alwart, Todd Stephen, Cincinnati, OH, United States
 Candido, Anne Marie, Mason, OH, United States
 Bush, Stephan Gary, Sharonville, OH, United States
 Collias, Dimitris Ioannis, Mason, OH, United States
 Gregg, Ellis Bailey, Cincinnati, OH, United States
 Bray, Earl, Cincinnati, OH, United States
 The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PATENT ASSIGNEE(S):

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6491840	B1	20021210
APPLICATION INFO.:	US 2000-634379		20000809 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-182381P	20000214 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Green, Anthony J.	
LEGAL REPRESENTATIVE:	Camp, Jason J., Zerby, Kim William, Miller, Steve W.	
NUMBER OF CLAIMS:	54	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	6197	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polymer compositions, while providing suitable wrinkle control, also tend to dispense poorly when sprayed. The present invention shows that when viscosity of polymer compositions is minimized spray dispensing improves. Several approaches to minimizing the viscosity of polymer compositions are disclosed. Methods of controlling wrinkles in fabrics comprise treating fabrics with a variety of polymer compositions following a variety of methods. Articles of manufacture comprise (1) a container or substrate, (2) a wrinkle controlling composition, and (3) a set of instructions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L32 ANSWER 6 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2002:235973 USPATFULL
 TITLE: Multi-phase fabric care composition for delivering multiple fabric care benefits
 INVENTOR(S): DeClercq, Marc Johan, Strombeek-Bever, BELGIUM
 DeMeyere, Hugo Jean Marie, Merchtem, BELGIUM
 Cauwberghs, Serge Gabriel Pierre Roger, Sint-Niklass, BELGIUM
 Janssens, Kristine, Herent, BELGIUM
 DeBlock, Franciscus Joseph Madeleine, Merchtem, BELGIUM
 DePootere, Johan Maurice Theo, Oost Vlaanderen, BELGIUM
 Fukushima, Kimiko, Osaka, JAPAN
 Taneko, Akiko, Tarumi-ku, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002128170	A1	20020912
APPLICATION INFO.:	US 2001-884534	A1	20010619 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-212565P	20000620 (60)

10/089,648

US 2001-263973P 20010124 (60)
US 2001-285314P 20010420 (60)
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY
DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110
CENTER HILL AVENUE, CINCINNATI, OH, 45224
NUMBER OF CLAIMS: 41
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 3187
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A liquid rinse-added fabric care composition that is characterized by at least two visually distinct phases when the composition is at rest and wherein at least one of the phases contains a fabric care agent is provided. The composition forms a temporary mixture when shaken that allows a consumer to dose a representative sample of the composition and spontaneously re-forms at least two visually distinct phases when allowed to remain at rest. The fabric care agents present in one or more phases of the composition may include fabric softener actives, color care agents, perfumes, antibacterial agents, malodor control agents, ultraviolet protection agents, anti-abrasion, anti-wear & fabric integrity agents, wrinkle control agents, and mixtures thereof. The composition should also contain less than about 5%, preferably less than about 3%, and even more preferably less than about 1% by weight of detergent actives. The composition optionally may contain an electrolyte, phase stabilizer, a phase separation inducing polymer and/or a solvent. Methods for delivering one or more fabric care benefits to a fabric during a laundering operation using the compositions are also disclosed. Methods for conveying information to a consumer concerning a multi-phase liquid rinse-added fabric care composition are also provided. An article of manufacture comprising a liquid rinse-added fabric care composition that has at least two visually distinct phases and a container that enables a consumer to view the visually distinct phases that are present in the composition is also described. Alternatively, the container may comprise a double walled cap and an insert for removing excess composition that may adhere to the cap.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L32 ANSWER 7 OF 7 USPATFULL on STN

ACCESSION NUMBER: 94:110757 USPATFULL
TITLE: Aqueous perfume oil microemulsions
INVENTOR(S): Behan, John M., Shermel, Ball Lane, Kennington,
Ashford, Kent, Great Britain
Ness, Jeremy N., 22 River Court, Chartham, Canterbury,
Kent, Great Britain
Traas, Petrus C., Amersfoortsestraatweg 132, 1411 HK
Naarden, Netherlands
Vitsas, Joannis S., Bisonstraat 15, 1402 TX Bussum,
Netherlands
Willis, Brian J., Fleets Lane, Tyler Hill, Canterbury,
Kent, Great Britain

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5374614		19941220
APPLICATION INFO.:	US 1993-68680		19930528 (8)

NUMBER	DATE
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10/089,648

PRIORITY INFORMATION: EP 1992-304923 19920529
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Reamer, James H.
LEGAL REPRESENTATIVE: Cushman, Darby & Cushman
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
LINE COUNT: 730

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns clear o/w microemulsions comprising a perfume oil, an aqueous phase and one or more surfactants with HLB between 9 and 18, and co-surfactants of which at least 0.5% of ionic co-surfactant. The weight ratio of perfume oil to total surfactant is between 0.85 and 2.5, and preferably above 1. The quantity of perfume oil is 0.01-40% w/w, preferably below 35%, of the microemulsion and the quantity of water at least 40% w/w, preferably at least 50%. The microemulsions comprise less than 10% preferably less than 5%, of alcohol. The surfactants are preferably of the nonionic type.

The microemulsions are very suitable for perfuming purposes where the amount of organic solvents should preferably be kept to a minimum, such as for perfuming skin or hair.

The invention also concerns surfactant/perfume mixtures suitable for preparing the clear o/w microemulsions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> D HIS

(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1 1 S US5487887/PN
L2 631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN
L3 1 S L1 AND L2
L4 288711 S HYDROCARBON?
L5 0 S L1 AND L4
L6 404108 S ALCOHOL?
L7 1 S L1 AND L6
L8 80359 S QUATERNARY
L9 0 S L1 AND L8
L10 138756 S SURFACTANT?
L11 1 S L10 AND L1
L12 8932 S ANTIPERSPIRANT? OR DEODORANT?
L13 4587 S AXILLA?
L14 539 S L13 AND L12
L15 102 S L14 AND L8
L16 89 S CATIONIC QUATERNARY AMMONIUM SURFACTANT?
L17 1 S L16 AND L15
L18 459 S CATIONIC(P)QUATERNARY AMMONIUM SURFACTANT?
L19 1 S L18 AND L15
L20 138756 S SURFACTANT?
L21 16128 S CATIONIC(P)QUATERNARY AMMONIUM?
L22 7105 S L21(P)L20
L23 5 S L22 AND L15
L24 4 S L23 AND L6
L25 4 S L4 AND L24
L26 41806 S ALUMINUM AND ZIRCONIUM
L27 2 S L26 AND L25
L28 1 S US3920807/PN

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L29 1 S L28 AND L27
L30 4 S L16 AND L26
L31 0 S L30 AND L12
L32 7 S L12 AND L16

=> S L12/TI

368 ANTIPERSPIRANT?/TI

438 DEODORANT?/TI

L33 732 (ANTIPERSPIRANT?/TI OR DEODORANT?/TI)

=> S ANTIPERSPIRANT?/TI OR DEODORANT?/TI

368 ANTIPERSPIRANT?/TI

438 DEODORANT?/TI

L34 732 ANTIPERSPIRANT?/TI OR DEODORANT?/TI

=> S ANTIPERSIRANT?/TI

L35 0 ANTIPERSIRANT?/TI

=> S L33 AND L16

L36 1 L33 AND L16

=> D 1 IBIB ABS

L36 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 2003:152255 USPATFULL

TITLE: Antiperspirant compositions comprising
microemulsions

INVENTOR(S): Brucks, Richard Mark, Chicago, IL, UNITED STATES
Gransden, Kathryn Elizabeth, Bebington, UNITED KINGDOM
Ma, Zhuning, Chicago, IL, UNITED STATES

PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco,
Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003103921	A1	20030605
APPLICATION INFO.:	US 2002-117473	A1	20020405 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2001-9143	20010411
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER, NJ, 07020	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1133	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Structured, antiperspirant microemulsions possibly in the form of liquid crystals, containing cosmetic oils, a solution of antiperspirant salt in a hydrophilic solvent, a surfactant and an oil structurant are provided. These microemulsions can be used in different types of Solid applicators such as soft solid and, particularly desirably, firm stick applicators. The structured microemulsions are preferably clear by virtue of a suitable choice of oil, solvent and structurant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> D HIS

10/089,648

(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1 1 S US5487887/PN
L2 631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN
L3 1 S L1 AND L2
L4 288711 S HYDROCARBON?
L5 0 S L1 AND L4
L6 404108 S ALCOHOL?
L7 1 S L1 AND L6
L8 80359 S QUATERNARY
L9 0 S L1 AND L8
L10 138756 S SURFACTANT?
L11 1 S L10 AND L1
L12 8932 S ANTIPERSPIRANT? OR DEODORANT?
L13 4587 S AXILLA?
L14 539 S L13 AND L12
L15 102 S L14 AND L8
L16 89 S CATIONIC QUATERNARY AMMONIUM SURFACTANT?
L17 1 S L16 AND L15
L18 459 S CATIONIC(P)QUATERNARY AMMONIUM SURFACTANT?
L19 1 S L18 AND L15
L20 138756 S SURFACTANT?
L21 16128 S CATIONIC(P)QUATERNARY AMMONIUM?
L22 7105 S L21(P)L20
L23 5 S L22 AND L15
L24 4 S L23 AND L6
L25 4 S L4 AND L24
L26 41806 S ALUMINUM AND ZIRCONIUM
L27 2 S L26 AND L25
L28 1 S US3920807/PN
L29 1 S L28 AND L27
L30 4 S L16 AND L26
L31 0 S L30 AND L12
L32 7 S L12 AND L16
L33 732 S L12/TI
L34 732 S ANTIPERSPIRANT?/TI OR DEODORANT?/TI
L35 0 S ANTIPERSIRANT?/TI
L36 1 S L33 AND L16

=> S L18 AND L34

L37 1 L18 AND L34

=> D L32 IBIB ABS 1-7

L32 ANSWER 1 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:152255 USPATFULL

TITLE: **Antiperspirant** compositions comprising
microemulsions

INVENTOR(S): Brucks, Richard Mark, Chicago, IL, UNITED STATES
Gransden, Kathryn Elizabeth, Bebington, UNITED KINGDOM
Ma, Zhuning, Chicago, IL, UNITED STATES

PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco,
Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003103921	A1	20030605
APPLICATION INFO.:	US 2002-117473	A1	20020405 (10)

NUMBER	DATE
-----	-----

10/089,648

PRIORITY INFORMATION: GB 2001-9143 20010411
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: UNILEVER; PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER,
NJ, 07020
NUMBER OF CLAIMS: 35
EXEMPLARY CLAIM: 1
LINE COUNT: 1133

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Structured, **antiperspirant** microemulsions possibly in the form of liquid crystals, containing cosmetic oils, a solution of **antiperspirant** salt in a hydrophilic solvent, a surfactant and an oil structurant are provided. These microemulsions can be used in different types of Solid applicators such as soft solid and, particularly desirably, firm stick applicators. The structured microemulsions are preferably clear by virtue of a suitable choice of oil, solvent and structurant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L32 ANSWER 2 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:142826 USPATFULL
TITLE: Hair conditioners for treating split ends
INVENTOR(S): Bernecker, Ullrich, Huertgenwald, GERMANY, FEDERAL
REPUBLIC OF
Brockmann, Claudia, Duesseldorf, GERMANY, FEDERAL
REPUBLIC OF
Hollenberg, Detlef, Erkrath, GERMANY, FEDERAL REPUBLIC
OF
PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Duesseldorf,
GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6569414	B1	20030527
	WO 9913821		19990325
APPLICATION INFO.:	US 2000-508585		20000623 (9)
	WO 1998-EP5631		19980905

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1997-19740285	19970913
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Sheikh, Humera N.	
LEGAL REPRESENTATIVE:	Harper, Stephen D., Hill, Gregory M., Murphy, Glenn E. J.	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	343	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a hair treatment preparation and a method of use thereof. The hair treatment preparation is in the form of an oil-in-water emulsion and is preferably used for reducing split ends. The hair treatment preparation contains a lipid soluble ester alcohol or ester polyol and a water-soluble compound selected from panthenol, a panthenol derivative, nicotinic acid amide, a sugar, polyvinyl pyrrolidone or mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L32 ANSWER 3 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:104176 USPATFULL
 TITLE: Aqueous fabric care compositions for effective use away from the home and accessories for use therewith
 INVENTOR(S): Frankenbach, Gayle Marie, Cincinnati, OH, UNITED STATES
 Trinh, Toan, Maineville, OH, UNITED STATES
 Lotts, Ray Douglas, Loveland, OH, UNITED STATES
 Nakamura, Yuko, Kobe, JAPAN
 Kaminski, Anneke Margaret, Cincinnati, OH, UNITED STATES
 Young, Sarah Marie, Cincinnati, OH, UNITED STATES
 Dinniwell, Alan Robert, Mason, OH, UNITED STATES
 Fitz, Ted John, Cincinnati, OH, UNITED STATES
 Boehm, Elise Marie, Cincinnati, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003071075	A1	20030417
APPLICATION INFO.:	US 2002-126899	A1	20020419 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-285794P	20010423 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	17 Drawing Page(s)	
LINE COUNT:	2109	
AB	An article containing an aqueous fabric care composition and a container for the composition to facilitate portability and encourage effective use of the composition away from the home. Also provided are kits including the articles of the present invention in combination with one or more optional accessories including hangers, compression devices, weights, portable mats, air blowers, gloves, mitts, mini-irons and combinations thereof.	

L32 ANSWER 4 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:64251 USPATFULL
 TITLE: Benzoate esters of hydroxyl terminated polyether polysiloxane copolyols and process for producing same
 INVENTOR(S): Walele, Ismail I., Saddle Brook, NJ, UNITED STATES
 Syed, Samad A., Paramus, NJ, UNITED STATES
 PATENT ASSIGNEE(S): FINETEX, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044371	A1	20030306
	US 6552212	B2	20030422
APPLICATION INFO.:	US 2001-854852	A1	20010514 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	WEINGRAM & ASSOCIATES, P.C., P.O. BOX 927, 197 WEST SPRING VALLEY AVE, MAYWOOD, NJ, 07607		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1347		

10/089,648

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions of matter comprising benzoate esters of hydroxyl terminated polyether polysiloxane copolyols, in particular dimethicone copolyol benzoates, and process for preparing same. The benzoate esters are useful for personal care cleansing products, such as bar and liquid soaps, skin and hair care products and textiles and fibers. The compounds are prepared by reacting benzoic acid with hydroxyl terminated polyether polysiloxane copolyols.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L32 ANSWER 5 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2002:325638 USPATFULL

TITLE: Polymer compositions having specified PH for improved dispensing and improved stability of wrinkle reducing compositions and methods of use

INVENTOR(S): Frankenbach, Gayle Marie, Cincinnati, OH, United States
Trinh, Toan, Maineville, OH, United States
Barnabas, Mary Vijayarani, West Chester, OH, United States

Corona, III, Alessandro, Mason, OH, United States
Shaw, Jr., John Henry, Cincinnati, OH, United States
Smith, John William, Milford, OH, United States
Brown, Donald Ray, Middletown, OH, United States
Nijakowski, Timothy Roy, Mason, OH, United States
Hubesch, Bruno Albert Jean, Neerijse, BELGIUM
Detzel, Gabrielle Holly (Spangler), Cincinnati, OH, United States

Alwart, Todd Stephen, Cincinnati, OH, United States
Candido, Anne Marie, Mason, OH, United States
Bush, Stephan Gary, Sharonville, OH, United States
Collias, Dimitris Ioannis, Mason, OH, United States
Gregg, Ellis Bailey, Cincinnati, OH, United States
Bray, Earl, Cincinnati, OH, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6491840	B1	20021210
APPLICATION INFO.:	US 2000-634379		20000809 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-182381P	20000214 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Green, Anthony J.	
LEGAL REPRESENTATIVE:	Camp, Jason J., Zerby, Kim William, Miller, Steve W.	
NUMBER OF CLAIMS:	54	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	6197	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polymer compositions, while providing suitable wrinkle control, also tend to dispense poorly when sprayed. The present invention shows that when viscosity of polymer compositions is minimized spray dispensing improves. Several approaches to minimizing the viscosity of polymer compositions are disclosed. Methods of controlling wrinkles in fabrics comprise treating fabrics with a variety of polymer compositions following a variety of methods. Articles of manufacture comprise (1) a container or substrate, (2) a wrinkle controlling composition, and (3) a

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set of instructions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L32 ANSWER 6 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2002:235973 USPATFULL

TITLE: Multi-phase fabric care composition for delivering multiple fabric care benefits

INVENTOR(S): DeClercq, Marc Johan, Strombeek-Bever, BELGIUM
DeMeyere, Hugo Jean Marie, Merchtem, BELGIUM
Cauwberghs, Serge Gabriel Pierre Roger, Sint-Niklass, BELGIUM
Janssens, Kristine, Herent, BELGIUM
DeBlock, Franciscus Joseph Madeleine, Merchtem, BELGIUM
DePootere, Johan Maurice Theo, Oost Vlaanderen, BELGIUM
Fukushima, Kimiko, Osaka, JAPAN
Taneko, Akiko, Tarumi-ku, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002128170	A1	20020912
APPLICATION INFO.:	US 2001-884534	A1	20010619 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-212565P	20000620 (60)
	US 2001-263973P	20010124 (60)
	US 2001-285314P	20010420 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224

NUMBER OF CLAIMS: 41

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 2 Drawing Page(s)

LINE COUNT: 3187

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A liquid rinse-added fabric care composition that is characterized by at least two visually distinct phases when the composition is at rest and wherein at least one of the phases contains a fabric care agent is provided. The composition forms a temporary mixture when shaken that allows a consumer to dose a representative sample of the composition and spontaneously re-forms at least two visually distinct phases when allowed to remain at rest. The fabric care agents present in one or more phases of the composition may include fabric softener actives, color care agents, perfumes, antibacterial agents, malodor control agents, ultraviolet protection agents, anti-abrasion, anti-wear & fabric integrity agents, wrinkle control agents, and mixtures thereof. The composition should also contain less than about 5%, preferably less than about 3%, and even more preferably less than about 1% by weight of detergent actives. The composition optionally may contain an electrolyte, phase stabilizer, a phase separation inducing polymer and/or a solvent. Methods for delivering one or more fabric care benefits to a fabric during a laundering operation using the compositions are also disclosed. Methods for conveying information to a consumer concerning a multi-phase liquid rinse-added fabric care composition are also provided. An article of manufacture comprising a liquid rinse-added fabric care composition that has at least two visually distinct phases and a container that enables a consumer to view the visually distinct phases that are present in the composition is also described. Alternatively, the container may comprise a double walled cap

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and an insert for removing excess composition that may adhere to the cap.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L32 ANSWER 7 OF 7 USPATFULL on STN

ACCESSION NUMBER: 94:110757 USPATFULL

TITLE: Aqueous perfume oil microemulsions

INVENTOR(S): Behan, John M., Shermel, Ball Lane, Kennington,
Ashford, Kent, Great Britain
Ness, Jeremy N., 22 River Court, Chartham, Canterbury,
Kent, Great Britain
Traas, Petrus C., Amersfoortsestraatweg 132, 1411 HK
Naarden, Netherlands
Vitsas, Joannis S., Bisonstraat 15, 1402 TX Bussum,
Netherlands
Willis, Brian J., Fleets Lane, Tyler Hill, Canterbury,
Kent, Great Britain

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5374614		19941220
APPLICATION INFO.:	US 1993-68680		19930528 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1992-304923	19920529
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Reamer, James H.	
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
LINE COUNT:	730	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns clear o/w microemulsions comprising a perfume oil, an aqueous phase and one or more surfactants with HLB between 9 and 18, and co-surfactants of which at least 0.5% of ionic co-surfactant. The weight ratio of perfume oil to total surfactant is between 0.85 and 2.5, and preferably above 1. The quantity of perfume oil is 0.01-40% w/w, preferably below 35%, of the microemulsion and the quantity of water at least 40% w/w, preferably at least 50%. The microemulsions comprise less than 10% preferably less than 5%, of alcohol. The surfactants are preferably of the nonionic type.

The microemulsions are very suitable for perfuming purposes where the amount of organic solvents should preferably be kept to a minimum, such as for perfuming skin or hair.

The invention also concerns surfactant/perfume mixtures suitable for preparing the clear o/w microemulsions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> D HIS

(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1 1 S US5487887/PN

L2 631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN

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L3 1 S L1 AND L2
L4 288711 S HYDROCARBON?
L5 0 S L1 AND L4
L6 404108 S ALCOHOL?
L7 1 S L1 AND L6
L8 80359 S QUATERNARY
L9 0 S L1 AND L8
L10 138756 S SURFACTANT?
L11 1 S L10 AND L1
L12 8932 S ANTIPERSPIRANT? OR DEODORANT?
L13 4587 S AXILLA?
L14 539 S L13 AND L12
L15 102 S L14 AND L8
L16 89 S CATIONIC QUATERNARY AMMONIUM SURFACTANT?
L17 1 S L16 AND L15
L18 459 S CATIONIC(P) QUATERNARY AMMONIUM SURFACTANT?
L19 1 S L18 AND L15
L20 138756 S SURFACTANT?
L21 16128 S CATIONIC(P) QUATERNARY AMMONIUM?
L22 7105 S L21(P) L20
L23 5 S L22 AND L15
L24 4 S L23 AND L6
L25 4 S L4 AND L24
L26 41806 S ALUMINUM AND ZIRCONIUM
L27 2 S L26 AND L25
L28 1 S US3920807/PN
L29 1 S L28 AND L27
L30 4 S L16 AND L26
L31 0 S L30 AND L12
L32 7 S L12 AND L16
L33 732 S L12/TI
L34 732 S ANTIPERSPIRANT?/TI OR DEODORANT?/TI
L35 0 S ANTIPERSPIRANT?/TI
L36 1 S L33 AND L16
L37 1 S L18 AND L34

=> S L26 AND L16

L38 4 L26 AND L16

=> S L38 AND L12

L39 0 L38 AND L12

=> S L12 AND L16

L40 7 L12 AND L16

=> S CATIONIC(P) QUATERNARY AMMONIUM(P) SURFACTANT?

85569 CATIONIC

80359 QUATERNARY

201 AMMONIUM

22 QUATERNARY AMMONIUM

(QUATERNARY(W) AMMONIUM)

138756 SURFACTANT?

L41 0 CATIONIC(P) QUATERNARY AMMONIUM(P) SURFACTANT?

=> S L22 AND L34

L42 12 L22 AND L34

=> S L42 NOT L40

L43 11 L42 NOT L40

=> S L40 NOT L42

L44 6 L40 NOT L42

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=> D 1-6 IBIB ABS

L44 ANSWER 1 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2003:142826 USPATFULL
TITLE: Hair conditioners for treating split ends
INVENTOR(S): Bernecker, Ullrich, Huertgenwald, GERMANY, FEDERAL
REPUBLIC OF
Brockmann, Claudia, Duesseldorf, GERMANY, FEDERAL
REPUBLIC OF
Hollenberg, Detlef, Erkrath, GERMANY, FEDERAL REPUBLIC
OF
PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Duesseldorf,
GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6569414	B1	20030527
	WO 9913821		19990325
APPLICATION INFO.:	US 2000-508585		20000623 (9)
	WO 1998-EP5631		19980905

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1997-19740285	19970913
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Sheikh, Humera N.	
LEGAL REPRESENTATIVE:	Harper, Stephen D., Hill, Gregory M., Murphy, Glenn E. J.	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	343	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a hair treatment preparation and a method of use thereof. The hair treatment preparation is in the form of an oil-in-water emulsion and is preferably used for reducing split ends. The hair treatment preparation contains a lipid soluble ester alcohol or ester polyol and a water-soluble compound selected from panthenol, a panthenol derivative, nicotinic acid amide, a sugar, polyvinyl pyrrolidine or mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L44 ANSWER 2 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2003:104176 USPATFULL
TITLE: Aqueous fabric care compositions for effective use away from the home and accessories for use therewith
INVENTOR(S): Frankenbach, Gayle Marie, Cincinnati, OH, UNITED STATES
Trinh, Toan, Maineville, OH, UNITED STATES
Lotts, Ray Douglas, Loveland, OH, UNITED STATES
Nakamura, Yuko, Kobe, JAPAN
Kaminski, Anneke Margaret, Cincinnati, OH, UNITED STATES
Young, Sarah Marie, Cincinnati, OH, UNITED STATES
Dinniwell, Alan Robert, Mason, OH, UNITED STATES
Fitz, Ted John, Cincinnati, OH, UNITED STATES
Boehm, Elise Marie, Cincinnati, OH, UNITED STATES

NUMBER	KIND	DATE
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PATENT INFORMATION: US 2003071075 A1 20030417
APPLICATION INFO.: US 2002-126899 A1 20020419 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-285794P	20010423 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224	

NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 17 Drawing Page(s)
LINE COUNT: 2109

AB An article containing an aqueous fabric care composition and a container for the composition to facilitate portability and encourage effective use of the composition away from the home. Also provided are kits including the articles of the present invention in combination with one or more optional accessories including hangers, compression devices, weights, portable mats, air blowers, gloves, mitts, mini-irons and combinations thereof.

L44 ANSWER 3 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2003:64251 USPATFULL
TITLE: Benzoate esters of hydroxyl terminated polyether polysiloxane copolyols and process for producing same
INVENTOR(S): Walele, Ismail I., Saddle Brook, NJ, UNITED STATES
Syed, Samad A., Paramus, NJ, UNITED STATES
PATENT ASSIGNEE(S): FINETEX, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044371	A1	20030306
	US 6552212	B2	20030422
APPLICATION INFO.:	US 2001-854852	A1	20010514 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	WEINGRAM & ASSOCIATES, P.C., P.O. BOX 927, 197 WEST SPRING VALLEY AVE, MAYWOOD, NJ, 07607		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1347		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions of matter comprising benzoate esters of hydroxyl terminated polyether polysiloxane copolyols, in particular dimethicone copolyol benzoates, and process for preparing same. The benzoate esters are useful for personal care cleansing products, such as bar and liquid soaps, skin and hair care products and textiles and fibers. The compounds are prepared by reacting benzoic acid with hydroxyl terminated polyether polysiloxane copolyols.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L44 ANSWER 4 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2002:325638 USPATFULL
TITLE: Polymer compositions having specified PH for improved dispensing and improved stability of wrinkle reducing compositions and methods of use
INVENTOR(S): Frankenbach, Gayle Marie, Cincinnati, OH, United States

Trinh, Toan, Maineville, OH, United States
 Barnabas, Mary Vijayarani, West Chester, OH, United States
 Corona, III, Alessandro, Mason, OH, United States
 Shaw, Jr., John Henry, Cincinnati, OH, United States
 Smith, John William, Milford, OH, United States
 Brown, Donald Ray, Middletown, OH, United States
 Nijakowski, Timothy Roy, Mason, OH, United States
 Hubesch, Bruno Albert Jean, Neerijse, BELGIUM
 Detzel, Gabrielle Holly (Spangler), Cincinnati, OH, United States
 Alwart, Todd Stephen, Cincinnati, OH, United States
 Candido, Anne Marie, Mason, OH, United States
 Bush, Stephan Gary, Sharonville, OH, United States
 Collias, Dimitris Ioannis, Mason, OH, United States
 Gregg, Ellis Bailey, Cincinnati, OH, United States
 Bray, Earl, Cincinnati, OH, United States
 The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

PATENT ASSIGNEE(S) :

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6491840	B1	20021210
APPLICATION INFO.:	US 2000-634379		20000809 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-182381P	20000214 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Green, Anthony J.	
LEGAL REPRESENTATIVE:	Camp, Jason J., Zerby, Kim William, Miller, Steve W.	
NUMBER OF CLAIMS:	54	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	6197	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polymer compositions, while providing suitable wrinkle control, also tend to dispense poorly when sprayed. The present invention shows that when viscosity of polymer compositions is minimized spray dispensing improves. Several approaches to minimizing the viscosity of polymer compositions are disclosed. Methods of controlling wrinkles in fabrics comprise treating fabrics with a variety of polymer compositions following a variety of methods. Articles of manufacture comprise (1) a container or substrate, (2) a wrinkle controlling composition, and (3) a set of instructions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L44 ANSWER 5 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2002:235973 USPATFULL

TITLE: Multi-phase fabric care composition for delivering multiple fabric care benefits

INVENTOR(S) : DeClercq, Marc Johan, Strombeek-Bever, BELGIUM
 DeMeyere, Hugo Jean Marie, Merchtem, BELGIUM
 Cauwberghs, Serge Gabriel Pierre Roger, Sint-Niklass, BELGIUM
 Janssens, Kristine, Herent, BELGIUM
 DeBlock, Franciscus Joseph Madeleine, Merchtem, BELGIUM
 DePootere, Johan Maurice Theo, Oost Vlaanderen, BELGIUM
 Fukushima, Kimiko, Osaka, JAPAN
 Taneko, Akiko, Tarumi-ku, JAPAN

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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002128170	A1	20020912
APPLICATION INFO.:	US 2001-884534	A1	20010619 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-212565P	20000620 (60)
	US 2001-263973P	20010124 (60)
	US 2001-285314P	20010420 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224	
NUMBER OF CLAIMS:	41	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	3187	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A liquid rinse-added fabric care composition that is characterized by at least two visually distinct phases when the composition is at rest and wherein at least one of the phases contains a fabric care agent is provided. The composition forms a temporary mixture when shaken that allows a consumer to dose a representative sample of the composition and spontaneously re-forms at least two visually distinct phases when allowed to remain at rest. The fabric care agents present in one or more phases of the composition may include fabric softener actives, color care agents, perfumes, antibacterial agents, malodor control agents, ultraviolet protection agents, anti-abrasion, anti-wear & fabric integrity agents, wrinkle control agents, and mixtures thereof. The composition should also contain less than about 5%, preferably less than about 3%, and even more preferably less than about 1% by weight of detergent actives. The composition optionally may contain an electrolyte, phase stabilizer, a phase separation inducing polymer and/or a solvent. Methods for delivering one or more fabric care benefits to a fabric during a laundering operation using the compositions are also disclosed. Methods for conveying information to a consumer concerning a multi-phase liquid rinse-added fabric care composition are also provided. An article of manufacture comprising a liquid rinse-added fabric care composition that has at least two visually distinct phases and a container that enables a consumer to view the visually distinct phases that are present in the composition is also described. Alternatively, the container may comprise a double walled cap and an insert for removing excess composition that may adhere to the cap.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L44 ANSWER 6 OF 6 USPATFULL on STN

ACCESSION NUMBER: 94:110757 USPATFULL
TITLE: Aqueous perfume oil microemulsions
INVENTOR(S): Behan, John M., Shermel, Ball Lane, Kennington,
Ashford, Kent, Great Britain
Ness, Jeremy N., 22 River Court, Chartham, Canterbury,
Kent, Great Britain
Traas, Petrus C., Amersfoortsestraatweg 132, 1411 HK
Naarden, Netherlands
Vitsas, Joannis S., Bisonstraat 15, 1402 TX Bussum,
Netherlands
Willis, Brian J., Fleets Lane, Tyler Hill, Canterbury,

10/089,648

Kent, Great Britain

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5374614		19941220
APPLICATION INFO.:	US 1993-68680		19930528 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1992-304923	19920529
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Reamer, James H.	
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
LINE COUNT:	730	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns clear o/w microemulsions comprising a perfume oil, an aqueous phase and one or more surfactants with HLB between 9 and 18, and co-surfactants of which at least 0.5% of ionic co-surfactant. The weight ratio of perfume oil to total surfactant is between 0.85 and 2:5, and preferably above 1. The quantity of perfume oil is 0.01-40% w/w, preferably below 35%, of the microemulsion and the quantity of water at least 40% w/w, preferably at least 50%. The microemulsions comprise less than 10% preferably less than 5%, of alcohol. The surfactants are preferably of the nonionic type.

The microemulsions are very suitable for perfuming purposes where the amount of organic solvents should preferably be kept to a minimum, such as for perfuming skin or hair.

The invention also concerns surfactant/perfume mixtures suitable for preparing the clear o/w microemulsions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1	1 S US5487887/PN
L2	631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN
L3	1 S L1 AND L2
L4	288711 S HYDROCARBON?
L5	0 S L1 AND L4
L6	404108 S ALCOHOL?
L7	1 S L1 AND L6
L8	80359 S QUATERNARY
L9	0 S L1 AND L8
L10	138756 S SURFACTANT?
L11	1 S L10 AND L1
L12	8932 S ANTIPERSPIRANT? OR DEODORANT?
L13	4587 S AXILLA?
L14	539 S L13 AND L12
L15	102 S L14 AND L8
L16	89 S CATIONIC QUATERNARY AMMONIUM SURFACTANT?
L17	1 S L16 AND L15
L18	459 S CATIONIC(P) QUATERNARY AMMONIUM SURFACTANT?
L19	1 S L18 AND L15

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L20 138756 S SURFACTANT?
L21 16128 S CATIONIC(P)QUATERNARY AMMONIUM?
L22 7105 S L21(P)L20
L23 5 S L22 AND L15
L24 4 S L23 AND L6
L25 4 S L4 AND L24
L26 41806 S ALUMINUM AND ZIRCONIUM
L27 2 S L26 AND L25
L28 1 S US3920807/PN
L29 1 S L28 AND L27
L30 4 S L16 AND L26
L31 0 S L30 AND L12
L32 7 S L12 AND L16
L33 732 S L12/TI
L34 732 S ANTIPERSPIRANT?/TI OR DEODORANT?/TI
L35 0 S ANTIPERSIRANT?/TI
L36 1 S L33 AND L16
L37 1 S L18 AND L34
L38 4 S L26 AND L16
L39 0 S L38 AND L12
L40 7 S L12 AND L16
L41 0 S CATIONIC(P)QUATERNARY AMMMONIUM(P)SURFACTANT?
L42 12 S L22 AND L34
L43 11 S L42 NOT L40
L44 6 S L40 NOT L42

=> S ANTIPERSPIRANT?/TI
L45 368 ANTIPERSPIRANT?/TI

=> S L45 AND L22
L46 10 L45 AND L22

=> S L40 NOT L46
L47 6 L40 NOT L46

=> D 1-6 IBIB ABS

L47 ANSWER 1 OF 6 USPATFULL on STN
ACCESSION NUMBER: 2003:142826 USPATFULL
TITLE: Hair conditioners for treating split ends
INVENTOR(S): Bernecker, Ullrich, Huertgenwald, GERMANY, FEDERAL
REPUBLIC OF
Brockmann, Claudia, Duesseldorf, GERMANY, FEDERAL
REPUBLIC OF
Hollenberg, Detlef, Erkrath, GERMANY, FEDERAL REPUBLIC
OF
PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Duesseldorf,
GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6569414	B1	20030527
	WO 9913821		19990325
APPLICATION INFO.:	US 2000-508585		20000623 (9)
	WO 1998-EP5631		19980905

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1997-19740285	19970913
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Page, Thurman K.	

10/089,648

ASSISTANT EXAMINER: Sheikh, Humera N.
LEGAL REPRESENTATIVE: Harper, Stephen D., Hill, Gregory M., Murphy, Glenn E.
J.
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)
LINE COUNT: 343

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a hair treatment preparation and a method of use thereof. The hair treatment preparation is in the form of an oil-in-water emulsion and is preferably used for reducing split ends. The hair treatment preparation contains a lipid soluble ester alcohol or ester polyol and a water-soluble compound selected from panthenol, a panthenol derivative, nicotinic acid amide, a sugar, polyvinyl pyrrolidine or mixtures thereof.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L47 ANSWER 2 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2003:104176 USPATFULL
TITLE: Aqueous fabric care compositions for effective use away from the home and accessories for use therewith
INVENTOR(S): Frankenbach, Gayle Marie, Cincinnati, OH, UNITED STATES
Trinh, Toan, Maineville, OH, UNITED STATES
Lotts, Ray Douglas, Loveland, OH, UNITED STATES
Nakamura, Yuko, Kobe, JAPAN
Kaminski, Anneke Margaret, Cincinnati, OH, UNITED STATES
Young, Sarah Marie, Cincinnati, OH, UNITED STATES
Dinniwell, Alan Robert, Mason, OH, UNITED STATES
Fitz, Ted John, Cincinnati, OH, UNITED STATES
Boehm, Elise Marie, Cincinnati, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003071075	A1	20030417
APPLICATION INFO.:	US 2002-126899	A1	20020419 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-285794P	20010423 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	17 Drawing Page(s)	
LINE COUNT:	2109	

AB An article containing an aqueous fabric care composition and a container for the composition to facilitate portability and encourage effective use of the composition away from the home. Also provided are kits including the articles of the present invention in combination with one or more optional accessories including hangers, compression devices, weights, portable mats, air blowers, gloves, mitts, mini-irons and combinations thereof.

L47 ANSWER 3 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2003:64251 USPATFULL
TITLE: Benzoate esters of hydroxyl terminated polyether

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INVENTOR(S): polysiloxane copolyols and process for producing same
Walele, Ismail I., Saddle Brook, NJ, UNITED STATES
Syed, Samad A., Paramus, NJ, UNITED STATES
PATENT ASSIGNEE(S): FINETEX, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003044371	A1	20030306
	US 6552212	B2	20030422
APPLICATION INFO.:	US 2001-854852	A1	20010514 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	WEINGRAM & ASSOCIATES, P.C., P.O. BOX 927, 197 WEST SPRING VALLEY AVE, MAYWOOD, NJ, 07607		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1347		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compositions of matter comprising benzoate esters of hydroxyl terminated polyether polysiloxane copolyols, in particular dimethicone copolyol benzoates, and process for preparing same. The benzoate esters are useful for personal care cleansing products, such as bar and liquid soaps, skin and hair care products and textiles and fibers. The compounds are prepared by reacting benzoic acid with hydroxyl terminated polyether polysiloxane copolyols.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L47 ANSWER 4 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2002:325638 USPATFULL

TITLE: Polymer compositions having specified PH for improved dispensing and improved stability of wrinkle reducing compositions and methods of use

INVENTOR(S): Frankenbach, Gayle Marie, Cincinnati, OH, United States
Trinh, Toan, Maineville, OH, United States
Barnabas, Mary Vijayarani, West Chester, OH, United States

Corona, III, Alessandro, Mason, OH, United States
Shaw, Jr., John Henry, Cincinnati, OH, United States
Smith, John William, Milford, OH, United States
Brown, Donald Ray, Middletown, OH, United States
Nijakowski, Timothy Roy, Mason, OH, United States
Hubesch, Bruno Albert Jean, Neerijse, BELGIUM
Detzel, Gabrielle Holly (Spangler), Cincinnati, OH, United States

Alwart, Todd Stephen, Cincinnati, OH, United States
Candido, Anne Marie, Mason, OH, United States
Bush, Stephan Gary, Sharonville, OH, United States
Collias, Dimitris Ioannis, Mason, OH, United States
Gregg, Ellis Bailey, Cincinnati, OH, United States
Bray, Earl, Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6491840	B1	20021210
APPLICATION INFO.:	US 2000-634379		20000809 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-182381P	20000214 (60)

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DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Green, Anthony J.
LEGAL REPRESENTATIVE: Camp, Jason J., Zerby, Kim William, Miller, Steve W.
NUMBER OF CLAIMS: 54
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 6197

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Polymer compositions, while providing suitable wrinkle control, also tend to dispense poorly when sprayed. The present invention shows that when viscosity of polymer compositions is minimized spray dispensing improves. Several approaches to minimizing the viscosity of polymer compositions are disclosed. Methods of controlling wrinkles in fabrics comprise treating fabrics with a variety of polymer compositions following a variety of methods. Articles of manufacture comprise (1) a container or substrate, (2) a wrinkle controlling composition, and (3) a set of instructions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L47 ANSWER 5 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2002:235973 USPATFULL
TITLE: Multi-phase fabric care composition for delivering multiple fabric care benefits
INVENTOR(S): DeClercq, Marc Johan, Strombeek-Bever, BELGIUM
DeMeyere, Hugo Jean Marie, Merchtem, BELGIUM
Cauwberghs, Serge Gabriel Pierre Roger, Sint-Niklass, BELGIUM
Janssens, Kristine, Herent, BELGIUM
DeBlock, Franciscus Joseph Madeleine, Merchtem, BELGIUM
DePootere, Johan Maurice Theo, Oost Vlaanderen, BELGIUM
Fukushima, Kimiko, Osaka, JAPAN
Taneko, Akiko, Tarumi-ku, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002128170	A1	20020912
APPLICATION INFO.:	US 2001-884534	A1	20010619 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-212565P	20000620 (60)
	US 2001-263973P	20010124 (60)
	US 2001-285314P	20010420 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224

NUMBER OF CLAIMS: 41
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Page(s)
LINE COUNT: 3187

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A liquid rinse-added fabric care composition that is characterized by at least two visually distinct phases when the composition is at rest and wherein at least one of the phases contains a fabric care agent is provided. The composition forms a temporary mixture when shaken that allows a consumer to dose a representative sample of the composition and spontaneously re-forms at least two visually distinct phases when allowed to remain at rest. The fabric care agents present in one or more

phases of the composition may include fabric softener actives, color care agents, perfumes, antibacterial agents, malodor control agents, ultraviolet protection agents, anti-abrasion, anti-wear & fabric integrity agents, wrinkle control agents, and mixtures thereof. The composition should also contain less than about 5%, preferably less than about 3%, and even more preferably less than about 1% by weight of detergent actives. The composition optionally may contain an electrolyte, phase stabilizer, a phase separation inducing polymer and/or a solvent. Methods for delivering one or more fabric care benefits to a fabric during a laundering operation using the compositions are also disclosed. Methods for conveying information to a consumer concerning a multi-phase liquid rinse-added fabric care composition are also provided. An article of manufacture comprising a liquid rinse-added fabric care composition that has at least two visually distinct phases and a container that enables a consumer to view the visually distinct phases that are present in the composition is also described. Alternatively, the container may comprise a double walled cap and an insert for removing excess composition that may adhere to the cap.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L47 ANSWER 6 OF 6 USPATFULL on STN

ACCESSION NUMBER: 94:110757 USPATFULL

TITLE: Aqueous perfume oil microemulsions

INVENTOR(S): Behan, John M., Shermel, Ball Lane, Kennington,
Ashford, Kent, Great Britain
Ness, Jeremy N., 22 River Court, Chartham, Canterbury,
Kent, Great Britain
Traas, Petrus C., Amersfoortsestraatweg 132, 1411 HK
Naarden, Netherlands
Vitsas, Joannis S., Bisonstraat 15, 1402 TX Bussum,
Netherlands
Willis, Brian J., Fleets Lane, Tyler Hill, Canterbury,
Kent, Great Britain

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5374614		19941220
APPLICATION INFO.:	US 1993-68680		19930528 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1992-304923	19920529
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Reamer, James H.	
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
LINE COUNT:	730	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns clear o/w microemulsions comprising a perfume oil, an aqueous phase and one or more surfactants with HLB between 9 and 18, and co-surfactants of which at least 0.5% of ionic co-surfactant. The weight ratio of perfume oil to total surfactant is between 0.85 and 2.5, and preferably above 1. The quantity of perfume oil is 0.01-40% w/w, preferably below 35%, of the microemulsion and the quantity of water at least 40% w/w, preferably at least 50%. The microemulsions comprise less than 10% preferably less than 5%, of alcohol. The surfactants are preferably of the nonionic type.

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The microemulsions are very suitable for perfuming purposes where the amount of organic solvents should preferably be kept to a minimum, such as for perfuming skin or hair.

The invention also concerns surfactant/perfume mixtures suitable for preparing the clear o/w microemulsions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> S L46 NOT L47
L48 10 L46 NOT L47

=> D 1-10 IBIB ABS

L48 ANSWER 1 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2003:152255 USPATFULL

TITLE: **Antiperspirant** compositions comprising microemulsions

INVENTOR(S): Brucks, Richard Mark, Chicago, IL, UNITED STATES
Gransden, Kathryn Elizabeth, Bebington, UNITED KINGDOM
Ma, Zhuning, Chicago, IL, UNITED STATES

PATENT ASSIGNEE(S): Unilever Home & Personal Care USA, Division of Conopco, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003103921	A1	20030605
APPLICATION INFO.:	US 2002-117473	A1	20020405 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 2001-9143	20010411
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	UNILEVER, PATENT DEPARTMENT, 45 RIVER ROAD, EDGEWATER, NJ, 07020	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1133	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Structured, antiperspirant microemulsions possibly in the form of liquid crystals, containing cosmetic oils, a solution of antiperspirant salt in a hydrophilic solvent, a surfactant and an oil structurant are provided. These microemulsions can be used in different types of Solid applicators such as soft solid and, particularly desirably, firm stick applicators. The structured microemulsions are preferably clear by virtue of a suitable choice of oil, solvent and structurant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L48 ANSWER 2 OF 10 USPATFULL on STN

ACCESSION NUMBER: 94:26269 USPATFULL

TITLE: Liquid **antiperspirant** composition

INVENTOR(S): Orr, Thomas V., Cincinnati, OH, United States
Newcomer, Patricia J., Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5298236		19940329

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APPLICATION INFO.: US 1993-28754 19930309 (8)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1990-611231, filed on 8 Nov
1990, now abandoned
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ore, Dale R.
LEGAL REPRESENTATIVE: Lewis, Leonard W., Goldstein, Steven J.
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
LINE COUNT: 634

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are liquid antiperspirant compositions useful for both roll-on and aerosol antiperspirant applications. The compositions have reduced incidence of in-use skin irritation. The compositions comprise from about 10% to about 70%, by weight, of an antiperspirant active material, from about 1% to about 15%, by weight, of a suspension agent, from about 25% to about 75%, by weight, of a non-volatile silicone fluid component, and no more than about 15%, by weight, of volatile silicone fluid. In aerosol embodiments, the compositions can comprise the above composition as a concentrate in combination with an aerosol propellant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L48 ANSWER 3 OF 10 USPATFULL on STN

ACCESSION NUMBER: 91:42516 USPATFULL
TITLE: Low residue **antiperspirant** creams
INVENTOR(S): Tanner, Paul R., Cincinnati, OH, United States
Nunn, Jr., Randolph G., Cincinnati, OH, United States
Luebbe, John P., Lawrenceburg, IN, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5019375		19910528
APPLICATION INFO.:	US 1989-323524		19890314 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Goldstein, Steven J., Lewis, Leonard W.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
LINE COUNT:	528		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiperspirant cream compositions, which exhibit reduced residue on the skin and excellent cosmetics and aesthetics, as well as good composition stability over time, are claimed. These compositions, which may be formulated to have relatively high viscosities, include a volatile silicone material, a particulate antiperspirant active, a clay thickening agent, an activator for the clay thickening agent, and a non-volatile paraffinic hydrocarbon fluid, such as mineral oil or branched chain C.sub.16 -C.sub.68 hydrocarbons. A method of treating or preventing perspiration in humans using these compositions is also claimed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L48 ANSWER 4 OF 10 USPATFULL on STN

ACCESSION NUMBER: 90:98507 USPATFULL
TITLE: **Antiperspirant** compositions
INVENTOR(S): Raleigh, William J., Rensselaer, NY, United States
Thimineur, Raymond J., Scotia, NY, United States

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PATENT ASSIGNEE(S): Zotto, Anthony A., Troy, NY, United States
General Electric Company, Waterford, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4980156		19901225
APPLICATION INFO.:	US 1988-282655		19881212 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
LINE COUNT:	449		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An improved dry-feeling antiperspirant composition is provided which comprises an aqueous solution of an astringent emulsified in a volatile silicon fluid, the emulsion being stabilized by a combination of a long-chain alkyl modified polysiloxane-polyoxyalkylene copolymer and an organic surfactant having an HLB value from 8 to 18.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L48 ANSWER 5 OF 10 USPATFULL on STN
ACCESSION NUMBER: 90:15351 USPATFULL
TITLE: Aerosol **antiperspirant** compositions
INVENTOR(S): Johnson, Philip S., Cincinnati, OH, United States
Bakken, Theresa A., Cincinnati, OH, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4904463		19900227
APPLICATION INFO.:	US 1989-355082		19890518 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1988-171619, filed on 22 Mar 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Robinson, Ellis P.		
ASSISTANT EXAMINER:	Prater, P. L.		
LEGAL REPRESENTATIVE:	Dabbieri, David K., Goldstein, Steven J., Mohl, Douglas C.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
LINE COUNT:	429		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aerosol antiperspirant composition comprising:

(a) from about 2% to about 10% of a hydrophobic liquid;

(b) from about 20% to about 95% of a propellant;

(c) from about 2% to about 30% of an enhanced efficacy metallic antiperspirant material, containing at least about 30% of a high efficacy metallic species (by weight of all metallic species in said antiperspirant material);

(d) from about 0.1% to about 3.0% of a hydrophobically-treated clay suspension agent; and

(e) from about 0.01% to about 0.2% of an activator.

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L48 ANSWER 6 OF 10 USPATFULL on STN

ACCESSION NUMBER: 89:49448 USPATFULL
TITLE: Aerosol **antiperspirant** compositions
INVENTOR(S): Johnson, Philip S., Cincinnati, OH, United States
Bakken, Theresa A., Cincinnati, OH, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4840786		19890620
APPLICATION INFO.:	US 1988-171618		19880322 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Prater, P.		
LEGAL REPRESENTATIVE:	Dabbieri, David K., Mohl, Douglas C., Goldstein, Steven J.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	429		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aerosol antiperspirant composition comprising:

- (a) from about 2% to about 10% of a hydrophobic liquid;
- (b) from about 20% to about 95% of a propellant;
- (c) from about 2% to about 30% of an enhanced efficacy metallic antiperspirant material, containing at least about 30% of a high efficacy metallic species (by weight of all metallic species in said antiperspirant material);
- (d) from about 0.1% to about 3.0% of a hydrophobically-treated hectorite clay;
- (e) from about 0.1% to about 3% of a hydrophobically treated bentonite clay; and
- (f) from about 0.01% to about 0.2% of an activator; wherein the level of said activator is less than ##EQU1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L48 ANSWER 7 OF 10 USPATFULL on STN

ACCESSION NUMBER: 81:27520 USPATFULL
TITLE: **Antiperspirant** emulsion compositions
INVENTOR(S): Keil, Joseph W., Midland, MI, United States
PATENT ASSIGNEE(S): Dow Corning Corporation, Midland, MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4268499		19810519
APPLICATION INFO.:	US 1979-46590		19790607 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Grindahl, George A.		

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NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
LINE COUNT: 656

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiperspirant emulsion compositions are described which comprise an aqueous solution of an astringent agent; a volatile, water-insoluble liquid; a polydiorganosiloxane-polyoxyalkylene copolymer; an oil-in-water type surfactant; and a water-in-oil type surfactant. A preferred embodiment comprises an emulsion of aqueous aluminum chlorhydrate in cyclopolydimethylsiloxanes as the volatile fluid. These compositions have improved efficacy as measured by their drying times.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L48 ANSWER 8 OF 10 USPATFULL on STN

ACCESSION NUMBER: 78:63766 USPATFULL

TITLE: Antiperspirant compositions

INVENTOR(S): Callingham, Martin, London, England

PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4125600		19781114
APPLICATION INFO.:	US 1974-496227		19740809 (5)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1973-325290, filed on 22 Jan 1973, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1972-4182	19720128
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Ore, Dale R.	
LEGAL REPRESENTATIVE:	Kurtz, Melvin H.	
NUMBER OF CLAIMS:	7	
EXEMPLARY CLAIM:	1	
LINE COUNT:	296	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aerosol antiperspirant composition comprising hexylene glycol as an emollient and dispersant, optionally together with a germicide and/or antiperspirant agent as active ingredients, and a base, such as an amino-alcohol to suppress the development of off-odors.

A typical formulation is:

	% by weight
Aluminium chlorhydrate	
	3.50
Hexylene glycol	2.00
Nonionic surfactant	
	0.10
Pyrogenic silica	0.10
2-amino-2-methylpropan-1-ol	
	0.12
Perfume	0.44
Propellant 11/12 (65/35)	
	balance to 100

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L48 ANSWER 9 OF 10 USPATFULL on STN

ACCESSION NUMBER: 76:18877 USPATFULL

TITLE: **Antiperspirant** and deodorant composition
containing 2-ethyl-1,3-hexane diol

INVENTOR(S): Clark, Alan John, Hanworth, England

PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3949066		19760406
APPLICATION INFO.:	US 1974-502701		19740903 (5)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1973-323007, filed on 12 Jan 1973, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1972-2840	19720120
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Ore, Dale R.	
LEGAL REPRESENTATIVE:	Grant, Arnold	
NUMBER OF CLAIMS:	8	
EXEMPLARY CLAIM:	1	
LINE COUNT:	348	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aerosol antiperspirant or deodorant composition containing, as a non-staining emollient substance or dispersing agent, 2-ethyl-1,3-hexane diol. The compositions may be solutions or suspensions and may contain germicides and antiperspirant agents.

A preferred form of the invention is a powder aerosol antiperspirant composition containing 2-ethyl-1,3-hexane diol as the dispersing agent. The following formulation is typical of such compositions:

	% by weight
Aluminium chlorhydrate	2 to 7.5
Colloidal silica bulking agent	0.05 to 0.75
2-ethyl-1,3-hexane diol	1 to 5
Germicide	up to 0.5
Perfume	0.01 to 2
Aerosol propellant	balance

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L48 ANSWER 10 OF 10 USPATFULL on STN

ACCESSION NUMBER: 75:62653 USPATFULL

TITLE: **Antiperspirant** and deodorant compositions

INVENTOR(S): Curry, Kenneth Vasey, Camberley, England

Sahir, Ahamado Ismail, Isleworth, England

PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3920807		19751118
APPLICATION INFO.:	US 1975-543403		19750122 (5)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1973-393097, filed on 29 Aug 1973, now abandoned And Ser. No. US 1971-169100,		

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filed on 4 Aug 1971, now abandoned

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1970-39690	19700818
	GB 1970-50187	19701022
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Moyer, Donald B.	
LEGAL REPRESENTATIVE:	Grant, Esq., Arnold	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	
LINE COUNT:	603	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aerosol antiperspirant or deodorant composition free from anticholinergic compounds containing, as a non-staining emollient substance or dispersing agent, hexylene glycol. The compositions may be solutions or suspensions and may contain germicides and antiperspirant agents.

A preferred form of the invention is a powder aerosol antiperspirant composition containing hexylene glycol as the dispersing agent. The following formulation is typical of such compositions:

% by weight

Aluminium chlorhydrate	2 to 7.5
Colloidal silica bulking agent	0.05 to 0.75
Hexylene glycol	1 to 5
Hexachlorophene	up to 0.5
Perfume	0.01 to 2
Aerosol propellant	balance

The invention also relates to a process for making such a composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> S US3920807/PN

L49 1 US3920807/PN

=> D HIS

(FILE 'HOME' ENTERED AT 17:30:54 ON 22 AUG 2003)

FILE 'USPATFULL' ENTERED AT 17:31:03 ON 22 AUG 2003

L1	1 S US5487887/PN
L2	631272 S BUFFER? OR GLYCOL? OR SUGAR? OR CYCLODEXTRIN
L3	1 S L1 AND L2
L4	288711 S HYDROCARBON?
L5	0 S L1 AND L4
L6	404108 S ALCOHOL?
L7	1 S L1 AND L6
L8	80359 S QUATERNARY
L9	0 S L1 AND L8
L10	138756 S SURFACTANT?
L11	1 S L10 AND L1
L12	8932 S ANTIPERSPIRANT? OR DEODORANT?

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L13 4587 S AXILLA?
L14 539 S L13 AND L12
L15 102 S L14 AND L8
L16 89 S CATIONIC QUATERNARY AMMONIUM SURFACTANT?
L17 1 S L16 AND L15
L18 459 S CATIONIC(P)QUATERNARY AMMONIUM SURFACTANT?
L19 1 S L18 AND L15
L20 138756 S SURFACTANT?
L21 16128 S CATIONIC(P)QUATERNARY AMMONIUM?
L22 7105 S L21(P)L20
L23 5 S L22 AND L15
L24 4 S L23 AND L6
L25 4 S L4 AND L24
L26 41806 S ALUMINUM AND ZIRCONIUM
L27 2 S L26 AND L25
L28 1 S US3920807/PN
L29 1 S L28 AND L27
L30 4 S L16 AND L26
L31 0 S L30 AND L12
L32 7 S L12 AND L16
L33 732 S L12/TI
L34 732 S ANTIPERSPIRANT?/TI OR DEODORANT?/TI
L35 0 S ANTIPERSIRANT?/TI
L36 1 S L33 AND L16
L37 1 S L18 AND L34
L38 4 S L26 AND L16
L39 0 S L38 AND L12
L40 7 S L12 AND L16
L41 0 S CATIONIC(P)QUATERNARY AMMONIUM(P) SURFACTANT?
L42 12 S L22 AND L34
L43 11 S L42 NOT L40
L44 6 S L40 NOT L42
L45 368 S ANTIPERSPIRANT?/TI
L46 10 S L45 AND L22
L47 6 S L40 NOT L46
L48 10 S L46 NOT L47
L49 1 S US3920807/PN

=> S L49 AND L22

L50 1 L49 AND L22

=> D KWIC

L50 ANSWER 1 OF 1 USPATFULL on STN

PI US 3920807 19751118

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SUMM Amongst those **cationic surfactants** which are
suitable for use in the process and compositions of the invention are
the **quaternary ammonium** salts as cetyl trimethyl
ammonium chloride and stearyl dimethyl benzyl ammonium bromide.

=> S L48 AND L26

L51 7 L48 AND L26

=> D 1-7 IBIB ABS

L51 ANSWER 1 OF 7 USPATFULL on STN

ACCESSION NUMBER: 94:26269 USPATFULL

TITLE: Liquid **antiperspirant** composition

INVENTOR(S): Orr, Thomas V., Cincinnati, OH, United States

Newcomer, Patricia J., Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United

States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5298236		19940329
APPLICATION INFO.:	US 1993-28754		19930309 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1990-611231, filed on 8 Nov 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Lewis, Leonard W., Goldstein, Steven J.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	634		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are liquid antiperspirant compositions useful for both roll-on and aerosol antiperspirant applications. The compositions have reduced incidence of in-use skin irritation. The compositions comprise from about 10% to about 70%, by weight, of an antiperspirant active material, from about 1% to about 15%, by weight, of a suspension agent, from about 25% to about 75%, by weight, of a non-volatile silicone fluid component, and no more than about 15%, by weight, of volatile silicone fluid. In aerosol embodiments, the compositions can comprise the above composition as a concentrate in combination with an aerosol propellant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L51 ANSWER 2 OF 7 USPATFULL on STN

ACCESSION NUMBER: 91:42516 USPATFULL
 TITLE: Low residue **antiperspirant** creams
 INVENTOR(S): Tanner, Paul R., Cincinnati, OH, United States
 Nunn, Jr., Randolph G., Cincinnati, OH, United States
 Luebke, John P., Lawrenceburg, IN, United States
 PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5019375		19910528
APPLICATION INFO.:	US 1989-323524		19890314 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Goldstein, Steven J., Lewis, Leonard W.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
LINE COUNT:	528		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiperspirant cream compositions, which exhibit reduced residue on the skin and excellent cosmetics and aesthetics, as well as good composition stability over time, are claimed. These compositions, which may be formulated to have relatively high viscosities, include a volatile silicone material, a particulate antiperspirant active, a clay thickening agent, an activator for the clay thickening agent, and a non-volatile paraffinic hydrocarbon fluid, such as mineral oil or branched chain C.sub.16 -C.sub.68 hydrocarbons. A method of treating or preventing perspiration in humans using these compositions is also claimed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L51 ANSWER 3 OF 7 USPATFULL on STN

ACCESSION NUMBER: 90:98507 USPATFULL
TITLE: **Antiperspirant** compositions
INVENTOR(S): Raleigh, William J., Rensselaer, NY, United States
Thimineur, Raymond J., Scotia, NY, United States
Zotto, Anthony A., Troy, NY, United States
PATENT ASSIGNEE(S): General Electric Company, Waterford, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4980156		19901225
APPLICATION INFO.:	US 1988-282655		19881212 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
NUMBER OF CLAIMS:	3		
EXEMPLARY CLAIM:	1		
LINE COUNT:	449		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An improved dry-feeling antiperspirant composition is provided which comprises an aqueous solution of an astringent emulsified in a volatile silicon fluid, the emulsion being stabilized by a combination of a long-chain alkyl modified polysiloxane-polyoxyalkylene copolymer and an organic surfactant having an HLB value from 8 to 18.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L51 ANSWER 4 OF 7 USPATFULL on STN

ACCESSION NUMBER: 90:15351 USPATFULL
TITLE: Aerosol **antiperspirant** compositions
INVENTOR(S): Johnson, Philip S., Cincinnati, OH, United States
Bakken, Theresa A., Cincinnati, OH, United States
PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4904463		19900227
APPLICATION INFO.:	US 1989-355082		19890518 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1988-171619, filed on 22 Mar 1988, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Robinson, Ellis P.		
ASSISTANT EXAMINER:	Prater, P. L.		
LEGAL REPRESENTATIVE:	Dabbieri, David K., Goldstein, Steven J., Mohl, Douglas C.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
LINE COUNT:	429		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aerosol antiperspirant composition comprising:

(a) from about 2% to about 10% of a hydrophobic liquid;

(b) from about 20% to about 95% of a propellant;

(c) from about 2% to about 30% of an enhanced efficacy metallic antiperspirant material, containing at least about 30% of a high efficacy metallic species (by weight of all metallic species in said antiperspirant material);

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(d) from about 0.1% to about 3.0% of a hydrophobically-treated clay suspension agent; and

(e) from about 0.01% to about 0.2% of an activator.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L51 ANSWER 5 OF 7 USPATFULL on STN

ACCESSION NUMBER: 89:49448 USPATFULL

TITLE: Aerosol antiperspirant compositions

INVENTOR(S): Johnson, Philip S., Cincinnati, OH, United States

Bakken, Theresa A., Cincinnati, OH, United States

PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4840786		19890620
APPLICATION INFO.:	US 1988-171618		19880322 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Page, Thurman K.		
ASSISTANT EXAMINER:	Prater, P.		
LEGAL REPRESENTATIVE:	Dabbiere, David K., Mohl, Douglas C., Goldstein, Steven J.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	429		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aerosol antiperspirant composition comprising:

(a) from about 2% to about 10% of a hydrophobic liquid;

(b) from about 20% to about 95% of a propellant;

(c) from about 2% to about 30% of an enhanced efficacy metallic antiperspirant material, containing at least about 30% of a high efficacy metallic species (by weight of all metallic species in said antiperspirant material);

(d) from about 0.1% to about 3.0% of a hydrophobically-treated hectorite clay;

(e) from about 0.1% to about 3% of a hydrophobically treated bentonite clay; and

(f) from about 0.01% to about 0.2% of an activator; wherein the level of said activator is less than ##EQU1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L51 ANSWER 6 OF 7 USPATFULL on STN

ACCESSION NUMBER: 81:27520 USPATFULL

TITLE: Antiperspirant emulsion compositions

INVENTOR(S): Keil, Joseph W., Midland, MI, United States

PATENT ASSIGNEE(S): Dow Corning Corporation, Midland, MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4268499		19810519

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APPLICATION INFO.: US 1979-46590 19790607 (6)
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Ore, Dale R.
LEGAL REPRESENTATIVE: Grindahl, George A.
NUMBER OF CLAIMS: 4
EXEMPLARY CLAIM: 1
LINE COUNT: 656

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antiperspirant emulsion compositions are described which comprise an aqueous solution of an astringent agent; a volatile, water-insoluble liquid; a polydiorganosiloxane-polyoxyalkylene copolymer; an oil-in-water type surfactant; and a water-in-oil type surfactant. A preferred embodiment comprises an emulsion of aqueous **aluminum** chlorhydrate in cyclopolydimethylsiloxanes as the volatile fluid. These compositions have improved efficacy as measured by their drying times.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L51 ANSWER 7 OF 7 USPATFULL on STN

ACCESSION NUMBER: 75:62653 USPATFULL
TITLE: **Antiperspirant** and deodorant compositions
INVENTOR(S): Curry, Kenneth Vasey, Camberley, England
Sahir, Ahamado Ismail, Isleworth, England
PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3920807		19751118
APPLICATION INFO.:	US 1975-543403		19750122 (5)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1973-393097, filed on 29 Aug 1973, now abandoned And Ser. No. US 1971-169100, filed on 4 Aug 1971, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1970-39690	19700818
	GB 1970-50187	19701022
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Moyer, Donald B.	
LEGAL REPRESENTATIVE:	Grant, Esq., Arnold	
NUMBER OF CLAIMS:	1	
EXEMPLARY CLAIM:	1	
LINE COUNT:	603	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An aerosol antiperspirant or deodorant composition free from anticholinergic compounds containing, as a non-staining emollient substance or dispersing agent, hexylene glycol. The compositions may be solutions or suspensions and may contain germicides and antiperspirant agents.

A preferred form of the invention is a powder aerosol antiperspirant composition containing hexylene glycol as the dispersing agent. The following formulation is typical of such compositions:

% by weight

Aluminium chlorhydrate
2 to 7.5
Colloidal silica bulking

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agent	0.05 to 0.75
Hexylene glycol	1 to 5
Hexachlorophene	up to 0.5
Perfume	0.01 to 2
Aerosol propellant	balance

The invention also relates to a process for making such a composition.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.